Graduate and Postdoctoral Studies Programs,
Courses and University Regulations
Programs, Courses and University Regulations
2011-2012
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**Note:** Throughout this publication, "you" refers to students newly admitted, readmitted or returning to McGill.


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University Regulations and Resources

Regulations

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Regulations section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Categories of Students

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Categories of Students section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Full-Time Students

Full-time students are students with a registration status of full-time and paying full-time fees. Full-time master's, diploma and certificate candidates must show a minimum of 12 credits per term on their record.

Half-Time Students (Thesis programs)

In some departments, students are permitted to proceed towards a degree on a half-time basis, i.e., students are permitted to register half-time instead of full-time during sessions of residence.

It is expected that half-time students will spend 50% of their time in the department participating in course work, seminars, discussions, etc., with the staff and the full-time students. Half-time students are reminded that they must complete the degree within the time limitation imposed by Graduate and Postdoctoral Studies, and that if they choose to be half-time they must: a) be so for an even number of half-time terms (i.e., two half-time terms equal one full-time term) and b) fulfil the minimum residence requirement in their program.

Part-Time Students

Certain degree programs can be followed on part-time basis (e.g., M.Ed., M.Eng. Non-Thesis option, M.B.A., M.S.W. Non-Thesis option, and S.T.M.). Students in non-thesis programs (including the C.A. program) as well as Special, Visiting and Qualifying, Certificate and Diploma students, not taking at least 12 credits per term, are considered to be part-time. Students may, in some departments, proceed towards the degree on a part-time basis.

Part-time students are reminded that they must complete the degree within the time limitation imposed by Graduate and Postdoctoral Studies.

Part-time students who do not take any courses or drop all courses, during any semester, automatically become non-resident students and are charged fees accordingly.

In cases of part-time and transfer students, all coursework might not be completed during the residency. It must therefore be completed during one or more additional terms (non-thesis extension). Fees are charged accordingly.

Additional Session (Thesis Programs) and Non-Thesis Extension (Non-Thesis Programs) Students

Students in additional session or non-thesis extension are students with a registration status of additional session (thesis programs) or non-thesis extension (non-thesis programs) and paying fees accordingly. The following are such students:

1. Graduate students who have completed the residency requirements in a master’s program.
2. Graduate students who have completed 8 full-time semesters in a doctoral program (when admitted to Ph.D. 1).
3. Graduate students who have completed 6 full-time semesters in a doctoral program (when admitted to Ph.D. 2).

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program. It is expected that, at this stage, all the course work and comprehensive examinations will have been completed and the student will be engaged in thesis preparation.

Graduate students in non-thesis programs, graduate diplomas and certificates who have registered for all required courses but have not completed the work and/or have completed the residency requirements must register as non-thesis extension students and pay fees accordingly. For example, a student who has
registered for a last course such as a project but has not completed it, must register as non-thesis extension status until graduation. Students in a non-thesis extension session who are not registered for at least 12 credits per term, are not considered engaged in full-time studies.

2.1.5 Thesis Evaluation Students

Students who have completed the residency requirements for their graduate thesis program and who have submitted their initial thesis to Graduate and Postdoctoral Studies by the April 15, August 15, or December 15 initial thesis submission deadlines will automatically be registered in "Thesis Evaluation" status for all subsequent terms until the term of the final e-thesis submission. Students in thesis programs whose initial thesis and final e-thesis submissions are in the same term will not require a “Thesis Evaluation” status.

"Thesis Evaluation” students are considered:

- to be registered at the University in a full-time status.
- to be eligible for University services.
- to be eligible for funding.
- to be eligible for a T2202 tax slip crediting the months for which they are registered and any ancillary fees charged.

If you are in "Thesis Evaluation" status, you are not permitted to register for courses.

2.1.6 Qualifying Students

Students admitted to a Qualifying Program are known as Qualifying Students for a Master’s. They must meet the minimum entrance requirements of Graduate and Postdoctoral Studies. The courses taken during a qualifying year will not be credited towards a degree program. Students are registered in graduate studies but have not yet been admitted to a degree program. These students take a full load (12 credits minimum) per semester of undergraduate courses as specified by the department. Only one qualifying year is permitted.

2.1.7 Special Students

Students who meet the minimum entrance requirements of Graduate and Postdoctoral Studies and wish to take one, or at most two, graduate-level courses per term (6 credits) without intention of proceeding to a degree or diploma are termed Special Students. After completion of a maximum of 12 credits, an applicant may not continue as a Special Student.

If graduate Special Students subsequently become candidates for higher degrees, they may receive academic credit for relevant graduate courses taken as Special Students. They must apply every year.

Students who wish to take undergraduate courses only must apply as Special Students in the undergraduate faculty concerned, even if they already hold degrees.

2.1.8 Visiting Students

Visiting Students are those students who are registered in a degree program at another university and who have obtained written permission from both universities to take a course(s) for credit towards that degree program. Students studying in the province of Quebec who are in this category are eligible for a transfer of credit if the required permission is obtained on Quebec Inter-University Transfer forms. These forms are available online at www.mcgill.ca/students/transfercredit/current/iut. McGill students registering for courses required for their degree program at other Quebec universities are required to pay for the course(s) at the home university. McGill University and Université de Montréal participate in an exchange (graduate) with the University of British Columbia and the University of Toronto.

As a rule, graduate students should not register for courses through Inter-University Transfers (IUT) during the last semester before graduation. There are considerable delays in receiving official transcripts which delay the degree audit process and graduation. If special departmental permission is given for such a course to be taken in the last semester, there will be no extension given for the grade submission deadline.

2.1.9 Graduate Research Trainee

Eligibility

If you are enrolled in a graduate program at another university and would like to attend McGill for a limited period of time (up to 12 months*) to conduct research only, you must apply as a Graduate Research Trainee. Research trainees are not permitted to register for courses.

This category of registration is for students registered in graduate programs in other universities to conduct PART of their thesis research at McGill under the supervision of a McGill professor. The purpose of the training period at McGill must be described. Acceptable reasons include: the student is engaged in collaborative projects between professor(s) at McGill and the student's sponsoring Institution; the student wishes to take advantage of specific expertise, academic resources or technical capabilities at McGill to enhance the thesis research being conducted at the sponsoring Institution; the student is spending a stage at McGill under a specific Memorandum of Understanding between McGill and the sponsoring Institution; the student's thesis supervisor has relocated to McGill, but the student remains registered at the former Institution to complete his/her graduate degree. The category of Graduate Research Trainee cannot be used to conduct the majority of thesis research at McGill under the supervision of a McGill professor.

* extensions may be granted under exceptional cases with prior consultation and approval by Graduate and Postdoctoral Studies.

Conditions
Students applying to be a graduate research trainee:

- must be registered in a graduate degree program at another university;
- must have permission from the sponsoring Institution (include letter of permission);
- must have the approval of a McGill professor and graduate program to supervise the research;
- must apply for admission at the beginning of the academic year [i.e., for Fall admission each year - if you begin a 12-month research visit in the Winter term (January) you must apply to be admitted again for the following Fall term (September); if a student splits the time spent at McGill into multiple stages, he/she may need to reapply for the appropriate academic terms];
- must include copies of official transcripts, as part of the application package;
- must demonstrate adequate proficiency in English to function in the University environment, including any required safety training and understanding of policies and procedures. Assessment of written and verbal language skills is the responsibility of the supervising professor; Graduate and Postdoctoral Studies does not require official proof of English competency for research trainees;
- are not charged fees for any term of registration including Summer;
- are not charged any Student Service or Ancillary fees and thus do not have access to these services. Membership to athletics services may be purchased. Graduate Research Trainees do have access to McGill libraries, email, and required training in research ethics and safety;
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

(www.mcgill.ca/gradapplicants/apphs/process/visiting)

2.1.10 Non-Resident Status

(may be granted to students in residence terms only)

1. Departments, with the approval of Graduate and Postdoctoral Studies, may permit or require candidates to spend one session at another institution; it is understood that this session must be one of full-time work, and that the institution selected must be able to provide expert supervision and facilities for research appropriate to the candidate, in the field selected.

Permission to spend a required year of residence at another university must be obtained before the beginning of the session in which the student will be absent. A program of the work projected and particulars of the institution selected must be sent, accompanied by a letter from the Chair of the department, to GPS for approval. Permission is only granted to students who have already completed one full session at McGill.

The student will be required to register and pay the normal full-time McGill tuition fee less any tuition fee payable to the host institution. Other student-related fees are not levied and the ID card is not validated.

Students participating in a formal exchange program must register and pay full-time tuition including other student-related fees. The ID card is not validated.

2. Students who wish to take a leave (such as for work purposes) from the University for a maximum period of one year before returning to complete their residence requirements must first obtain permission to do so both from their department and GPS.

The student must register as a Non-Resident student, and pay the non-resident fee. Student services fees are not levied and the ID card is not validated. Students can only be nonresident for a maximum of one year. The non-resident fee is $100 per term.

(www.mcgill.ca/gps/staff/registration)

2.1.11 Leave of Absence Status

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks.

Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate justifying the leave. The department shall forward the request to GPS. See procedure in section 14.9.6: Health and Parental/Familial Leave of Absence Policy.

Students and Postdocs who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. A student on leave of absence during the Winter term must register for an active term of study in the Winter term (at least) in order to apply for graduation. A student on leave of absence during the Winter and/or Summer terms must register for an active term of study in the Fall term (at least) in order to apply for graduation. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

(www.mcgill.ca/gps/staff/registration)

2.1.12 Medical Residents

Residents and fellows on staff of teaching hospitals associated with the University are included in Graduate and Postdoctoral Studies statistics. They must apply for admission to be Special Students or for admission to a degree program, a graduate diploma or certificate.
2.1.13 McGill Staff as Graduate Students

Members of the teaching staff of the University up to and including the rank of lecturer may enrol as candidates for a degree, diploma or certificate. If their teaching duties are designated as full-time, they may only enrol as half-time students.

Professorial members of the academic staff may not enroll in graduate degree and diploma programs. This rule shall apply also to any persons who have been on the professorial staff within the previous 12 months, unless they resign completely from their positions at McGill.

Should persons registered in graduate studies be promoted to professorial rank, they may no longer remain graduate students, unless they resign or are granted a leave of absence from their professorial appointments.

In certain exceptional cases, professorial members of the academic staff may apply to Graduate and Postdoctoral Studies to enter graduate programs in academic units other than their own. GPS may grant permission if it is satisfied that the applicant’s teaching unit and proposed unit for graduate study are sufficiently remote that conflict of interest situations will not arise. Permission must be granted before any courses are taken towards the proposed degree.

2.1.14 Quebec Inter-University Transfer Agreement: McGill Students

The Quebec Inter-University Transfer (IUT) agreement permits concurrent registration at McGill and another Quebec institution.

If you are a regular McGill undergraduate or graduate degree, diploma or certificate student, you may register, with your faculty's permission, at any Quebec university for three, or in some cases six, credits per term in addition to your registration at McGill. You may also obtain permission to complete a full term (i.e., 12 to 15 credits) at another Quebec university. These courses, subject to faculty regulations, will be recognized by McGill for the degree that you are registered for, up to the limit imposed by the residency requirements of the program. Normally, you must complete a minimum residency requirement of 60 credits at McGill in order to qualify for a McGill degree (you should check with your faculty). This privilege will be granted if there are valid academic reasons.

If you want to take advantage of this agreement, consult your Student Affairs Office for details. Note that this agreement is subject to the following conditions:

- The Quebec universities concerned may, at their discretion, refuse the registration of a student for any of their courses.
- You must complete your faculty and program requirements.
- You are responsible for ensuring that the McGill Class Schedule permits you to take these courses without conflict.
- The Quebec universities concerned are not responsible for special arrangements in cases of examination or class schedule conflicts.
- Grades earned at the host university will not be included in your McGill grade point averages (GPA) or show on your McGill transcripts.
- If you are attending McGill as an Exchange student from outside Quebec, you are not eligible to take courses at another Quebec institution through the IUT agreement.
- Any grades received late from host universities may delay your graduation.

If you are a scholarship holder, you should consult with your Student Affairs Office and the scholarships coordinator concerning eligibility for continuation or renewal of your award(s).

You must initiate an online Quebec Inter-University Transfer (IUT) application to request the required authorizations at www.mcgill.ca/students/transfercredit/current/iut. You may find additional information posted at your faculty website.

**Note:** Once the Quebec Inter-University Transfer (IUT) application is approved by both the home and host universities, you must register in the course that was approved. The method of registration of the host university will vary (e.g., web, in-person, phone, etc.). **You must allow sufficient time to complete and submit your electronic application, because you are responsible for adhering to all the host university’s registration deadlines.** If you decide later to drop or withdraw from the approved course(s), you will need to drop or withdraw from the course using the host university’s registration method AND submit this change on the online Quebec Inter-University Transfer (IUT) application.

The host institution will automatically submit your grades to McGill for any completed courses.

2.1.15 Quebec Inter-University Transfer Agreement: Visiting IUT Students

The Quebec Inter-University Transfer (IUT) agreement permits concurrent registration at McGill and another Quebec institution.

If you are a student at another Quebec university and you want to take courses at McGill using the Quebec Inter-University Transfer (IUT) agreement, you must initiate an online application to request the required authorizations at www.mcgill.ca/students/transfercredit/current/iut. You should also refer to your home university website for regulations on the number of credits allowed, as well as the policies for transferring the credits.

**Note:** Once the Quebec Inter-University Transfer (IUT) application is approved by both the home and host universities, you remain responsible for registering in the course that was approved. At McGill, you have to register on Minerva (www.mcgill.ca/minerva). You will be informed via email of the necessary registration steps once your application has been approved. **You must allow sufficient time to complete and submit your electronic application, because you are responsible for adhering to all McGill’s registration deadlines.** If you decide later to drop or withdraw from the approved course(s), you will need to drop or withdraw from the course on Minerva AND submit this change on the online Quebec Inter-University Transfer (IUT) application.

McGill will automatically submit your grades for any completed courses to your home university.

**Revision, June 2011. Start of Revision.**
2.2 Registration

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Registration section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

2.2.1 Registration for Fall and Winter Terms (Including Additional Session and Non-Thesis Extension Students)

All returning and new graduate students must register online at www.mcgill.ca/minerva, after completing a Minerva Course Selection Form and obtaining departmental approval.

Courses may be added until the end of the course change period without penalty.

Returning Students:
Returning students register via Minerva between Wednesday, March 31, 2011 and Monday, July 25, 2011.

Students will be charged a late registration fee during the late registration period. To avoid the late registration fee, students must access www.mcgill.ca/minerva and register for REGN RCGR (the Registration Confirmation course) in both the Fall (CRN 2334) and Winter (CRN 2262) terms.

Successful completion of registration is contingent upon acceptable academic standing in the previous session and payment of any previous outstanding fees and fines.

Newly-Admitted Students:
New students entering in September 2011 register on Minerva between Tuesday, July 12, 2011 and Thursday, September 1, 2011.

Students will be charged a late registration fee during the late registration period. To avoid the late registration fee students must access www.mcgill.ca/minerva and register for REGN RCGR (the Registration Confirmation course) in both the Fall (CRN 2334) and Winter (CRN 2262) terms.


Students will be charged a late registration fee during the late registration period. To avoid the late registration fee students must access www.mcgill.ca/minerva and register for REGN RCGR (the Registration Confirmation course) in the Winter (CRN 2262) term. Students must register (and pay fees) annually up to and including the term of graduation. Outstanding tuition fees must be paid before graduation. A graduate student registered in the Winter term who graduates in February will have their Winter registration and fees cancelled at the end of February.

2.2.2 Fee Policies Related to Registration

Refer to University Regulations and Resources > section 4: Fees; particular attention should be paid to University Regulations and Resources > section 4.8: Fees and Withdrawal from the University and University Regulations and Resources > section 4.9: Other Policies Related to Fees: Overdue Accounts.

2.2.3 Summer Registration

Detailed Summer registration information will be available in the middle of March in individual departments and at www.mcgill.ca/gps/students/registration.

Course Registration
Students taking summer courses register within Graduate and Postdoctoral Studies deadlines on Minerva at www.mcgill.ca/minerva after completing a Minerva Course Selection Form and obtaining departmental approval.

Summer Term of Residence Students in thesis programs who wish to register for a Summer term to count as part of their residence requirements must advise their department in March and complete the appropriate Summer Registration Form in April. Newly-admitted students beginning their graduate thesis program in a Summer Term of Residence can get a 100% refund (less $200 minimum or registration deposit if applicable) up to and including the May 15th withdrawal date. Students in thesis programs, who at the end of the Winter term are continuing in their programs are expected to devote the summer to research and are considered “continuing students”.

2.2.4 Courses Taken in the School of Continuing Studies

In the Fall and Winter terms, students may add credit courses (500 level or higher) offered through the School of Continuing Studies (SCS) directly on Minerva. Please see www.mcgill.ca/importantdates for deadlines.
Non-credit general interest or languages courses cannot be added directly by the student. Students may register for these courses in person at the SCS, where the course(s) will be added to their record as "Extra" to their program and course fees will be charged.

Summer courses offered through the SCS cannot be added directly by the student. To add these courses, students must bring a copy of their approved Minerva Course Selection Form to Graduate and Postdoctoral Studies where, subject to space availability and program controls, the course(s) will be added to their record. To register for courses offered through the SCS, students must be registered in their graduate studies program. All courses taken at SCS must be completed unless the course has been dropped on Minerva according to SCS course drop/withdrawal deadlines. GPS reserves the right to place limitations on the number of SCS courses taken for any one program. Approval from GPS must be obtained prior to registration.

2.2.5 Courses Taken as Extra to a Program

Courses are offered through the McGill Writing Centre for graduate students whose first language is not English, and some writing courses are offered in other units. These courses cannot be counted toward the requirements of a graduate program.

The courses are:

CESL 500 ESL: RESEARCH ESSAY AND RHETORIC. (3) (3 hours) (Prerequisite: Placement test or ESLN 400.) (Restriction: Not open to students who have taken or are taking EFRL 250.) For the nearnative speaker of English. Principles and use of academic research, genres, rhetorical strategies, and editing skills.

CESL 640 FUNDAMENTALS OF ACADEMIC WRITING FOR GRADUATE STUDENTS. (3) (This course cannot be counted towards course requirements of any graduate program.) (Prerequisite: Placement test.) (Restriction: Open to graduate students for whom English is a second language. Not open to students who have taken ESLN 590 or ESLN 690 except with permission from the instructor.) Focus is on structuring an academic essay and expressing complex ideas. Multiple drafts. Independent learning strategies for academic reading, critical thinking, vocabulary building, and self-editing. Review of writing mechanics.

CESL 650 PRONUNCIATION & COMMUNICATION. (3) (3 hours) (Restrictions: Open only to graduate students for whom English is a second language.) (Restriction: Not open to students who have taken ESLN 550.) (Restriction: This course cannot be counted towards course requirements of any graduate program.) Focus on developing pronunciation and communication skills, including aspects of pronunciation that most affect intelligibility, and with verbal and non-verbal techniques for effective presentations.

CESL 660 PRONUNCIATION: INDEPENDENT STUDY. (0) Oral practice in a language lab using authentic materials specific to student's study.

CESL 690 WRITING FOR GRADUATE STUDENTS. (3) (This course cannot be counted towards course requirements of any graduate program.) (Restrictions: Open only to graduate students for whom English is a second language and who are at the thesis/dissertation writing stage except with permission of the instructor. Not open to students who have taken ESLN 590.) Audience, purpose, organization and style of graduate-level academic writing. Mechanics. Editing. Textual analysis. Critical thinking. Genres: problem-solution, general-specific, process description, data commentary, article summary/critique. Student work-in-progress. ESL diagnosis-correction. Multiple drafts. Extensive feedback including audio-taped commentary and individual conferences.

EDEC 645 SCIENCE WRITING AND PUBLISHING. (3) (Restriction: Limited to senior graduate students - Ph.D. 2 and above.) Techniques for writing reader-sensitive scientific articles and grant applications, including how to express abstract ideas.

REDM 610 WRITING SCIENCE ARTICLES 1. (3) (Prerequisite: Permission of instructor.) (Restrictions: Restricted to graduate students in the Faculty of Science; graduate students from other faculties considered, space permitting. Enrolment is limited to 12 students. The language of instruction is English and it is not intended as an ESL course. Course is graded pass/fail.) Principles and techniques for clear scientific writing with an emphasis on how to transform complex ideas into direct and precise ones by explaining research to peers and writing for interdisciplinary audiences.

REDM 710 WRITING SCIENCE ARTICLES 2. (3) (Prerequisite: Permission of instructor.) (Restrictions: Restricted to Ph.D. students in the Faculty of Science; M.Sc. students from the Faculty of Science and Ph.D. students from other faculties considered, space permitting. Enrolment is limited to 12 students. The language of instruction is English and it is not intended as an ESL course. Course is graded pass/fail.) Skills for writing and publishing scientific articles, including peer-reviewed manuscripts and short, critical reviews of published articles. Topics include techniques for developing logical arguments and writing publishable manuscripts.

2.2.6 Registration for Two Degree Programs Concurrently

No student may register in two degree programs or in two departments or faculties or two institutions concurrently without special permission granted by Graduate and Postdoctoral Studies. Students are advised that permission is never granted to attempt two full-time programs concurrently. Letters of recommendation, including details of the proportions of time that the student intends to allot to each program, must be received from the Chair of each department concerned. Each year, a progress report must be submitted from the two departments concerned to GPS before a student in this category will be permitted to register.

2.2.7 Time Limitation

Candidates for master's degrees must complete the degree within three years of initial registration. If the degree is pursued strictly on a less than full-time basis, it must be completed within five years of initial registration.

In exceptional cases, a student who wishes to submit a thesis, or to complete outstanding degree requirements, after withdrawal may do so only on the recommendation of the department concerned. A graduate application must be submitted by stated deadlines and re-admission fees will apply. The final decision rests with GPS.

By annual registration, all doctoral candidates may maintain their connection with the University for four years after completing their residence requirements. The object of these regulations is to encourage candidates to complete their theses and qualify for their degree without undue delay.
2.2.8 Withdrawal from a Degree Program

Departments have the right to ask students to withdraw from the program if progress is not satisfactory, or if they have failed two courses required for their program, or for lack of performance in research. Please see section 2.14: Failure Policy.

Any student who withdraws from the University must complete a Withdrawal Form available at www.mcgill.ca/gps/students/registration/. Fees will then be refunded according to the conditions outlined in section 2.5: Course Change Period and in section 2.7: Regulations Concerning Course Withdrawal.

2.2.9 Late Registration

If you fail to register during the normal registration period, you can register within the period designated by the University for late registration. You will be assessed a late registration fee as listed below:

Revision, August 2011. Start of revision.

Returning Students: You may register late from Tuesday, July 26 until and including Thursday, September 1 with the payment of a late registration fee of $100 ($50 for Special Students).

Revision, August 2011. End of revision.

New, Readmitted, and Returning Students (Fall): You may register late via Minerva from Friday, September 2 until Tuesday, September 13 with the payment of a late registration fee of $150 ($75 for Special Students).

Revision, August 2011. Start of revision.

New and Readmitted Students (Winter): You may register late via Minerva from Tuesday, January 10, 2012, until Tuesday, January 24, 2012, with the payment of a late registration fee of $150 ($75 for Special Students).

Revision, August 2011. End of revision.

Special Late Registration: If you cannot register online during the late registration period, usually due to late admission, you may receive special permission to register in person. This information is included with your letter of acceptance.

2.3 Course Information and Regulations

Students are advised to also refer to Registration and Student Records.

The University reserves the right to make changes without prior notice to the information contained in this publication, including the revision or cancellation of particular courses or programs.

At the time this publication was finalized, new courses and modifications to some existing courses were under consideration. Students preparing to register are advised to consult Class Schedule on the web at www.mcgill.ca/students/courses for the most up-to-date information on courses to be offered in 2011-2012. Not all courses listed are offered every year.

2.3.1 Course Information and Regulations: Class Schedule

Class Schedule for the upcoming Fall and Winter terms normally becomes available in March prior to the opening of advising at www.mcgill.ca/study. The Summer term schedule is normally published in January. Class Schedule includes the days and times when courses are offered, class locations, names of instructors, and related information. You can also access the details of scheduled courses by clicking the CRN (course reference number) that appears with each course section shown in Class Schedule.

You should make a note of any preregistration requirements for a course, such as placement tests or departmental approval/permission required.

Class Schedule information is subject to change and is updated as courses are added, cancelled, rescheduled or relocated. It is your responsibility to consult Class Schedule at the time of registration, and again before classes begin, to ensure that changes have not caused conflicts in your schedule.

2.3.2 Course Numbering

Each McGill course is assigned a unique seven-character course “number”.

The first four characters (Subject Code) refer to the unit offering the course.

These codes were implemented in September 2002, replacing the three-number Teaching Unit Codes previously used. A complete list of Teaching Unit Codes and their Subject Code equivalents can be found at www.mcgill.ca/student-records/transcripts in the section Grading and pre-2002 course numbering.

The three numbers following the Subject Code refer to the course itself, with the first of these indicating the level of the course.

- Courses numbered at the 100, 200, 300, and 400 levels are intended for undergraduate students. In most programs, courses at the 300 level and 400 level are normally taken in the student’s last two years.
Courses at the 500 level are intended for qualified senior undergraduate students but are also open to graduate students.

Courses at the 600 and 700 level are intended for graduate students only.

Two additional characters (D1, D2, N1, N2, J1, J2, J3) at the end of the seven-character course number identifies multi-term courses.

### 2.3.3 Multi-term Courses

Most courses at McGill are single term (Fall or Winter or Summer) courses with final grades issued and any credits earned recorded at the end of that term. Single term courses are identified by a seven-character course number.

A unit may, however, decide that the material to be presented cannot be divided into single term courses or it is preferable that the work to be done is carried out over two, or three, terms. Under such circumstances, courses are identified by a two-character extension of the course number.

In some cases, the same course may be offered in various ways: as a single term and/or in one or more multi-term versions. The course content and credit weight is equivalent in all modes, the only difference being the scheduling, and students cannot obtain credit for more than one version.

**Courses with numbers ending in D1 and D2** are taught in two consecutive terms (most commonly Fall and Winter). Students must register for the same section of both the D1 and D2 components. When registering for a Fall term D1 course on Minerva, the student will automatically be registered for the Winter term D2 portion. No credit will be given unless both components (D1 and D2) are successfully completed in consecutive terms, e.g., Fall 2010 and Winter 2011.

**Courses with numbers ending in N1 and N2** are taught in two non-consecutive terms (Winter and Fall). Students must register for the same section of both the N1 and N2 components. No credit will be given unless both components (N1 and N2) are successfully completed within a twelve (12) month period.

**Courses with numbers ending in J1, J2 and J3** are taught over three consecutive terms. Students must register for the same section of all three components (J1, J2, J3). No credit will be given unless all three components are successfully completed.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** If you select a multi-term course, you are making a commitment to that course for its entirety. You MUST register in the same section in all terms of a multi-term course. Credit will be jeopardized if you deliberately register in different sections of a multi-term course.

In exceptional cases, when circumstances are beyond the student's control, the Faculty Student Affairs Office may grant permission to change sections midway through a multi-term course. You must make your request in writing citing your reason for the request. The request must also have the written support of the instructors of the sections involved and of the coordinator of the course (if applicable). Your request must be submitted to:

- Arts students - Associate Dean, Student Affairs
- Science and B.A. & Sc. students - Director of Advising Services, Science

**Important Conditions for Multi-term Courses**

1. Students must be registered for each component of the multi-term course. Students must ensure that they are registered in the same section in each term of the multi-term course.
2. Students must successfully complete each component in sequence as set out in the multi-term course. Credit is granted only at the end of the multi-term course; no credit is given for partial completion.

### 2.3.4 Course Terminology

**Prerequisite:** Course A is prerequisite to course B if a satisfactory pass in course A is required for admission to course B.

**Corequisite:** Course A is corequisite to course B if course A must be taken concurrently with (or may have been taken prior to) course B.

**Credits:** The credit weight of each course is indicated in parentheses beside the course title. For D1 and D2 courses the credit weight is indicated after the course number. For further information, refer to: Credit System.

#### 2.3.4.1 Course Nomenclature in Program Descriptions

**Revision, August 2011. Start of revision.**

**Required Courses:** Mandatory courses that must be completed to fulfill the requirements of a program (e.g. major, minor, etc. at the undergraduate level or specific courses at the graduate), unless the student receives exemptions. Students have no choices among required courses.

**Complementary Courses:** Courses selected from a restricted list, a particular subject area, or a discipline. In some programs, students must include a number of these to meet program requirements. Complementary courses are not electives.

**Elective Courses:** Courses, in some cases, taken outside of a student’s program of study that do not count toward the fulfillment of the specific program requirements. Some restrictions may apply, but students have the most choice in selecting elective courses. Some faculties also permit students to take elective courses using the Satisfactory/Unsatisfactory (S/U) Option. Undergraduate students should consult their faculty regulations concerning electives; graduate students require the approval of their Program Director and GPS.

**Revision, August 2011. End of revision.**
2.4  **Summer Studies**

Detailed information about summer registration is available as of March 2012 at [www.mcgill.ca/gps/students/registration](http://www.mcgill.ca/gps/students/registration).

Graduate courses are available in some subject areas during the summer and the Class Schedule at [www.mcgill.ca/students/courses/calendars](http://www.mcgill.ca/students/courses/calendars) should be consulted for a complete listing of undergraduate and graduate-level courses.

Students doing graduate work in Education are strongly advised to enrol in summer studies and many programs can only be completed by participation in summer studies.

Registration for courses for graduate students takes place via Minerva for the Summer session. It is the responsibility of the student to register for courses within the deadlines, after completing a Minerva Course Selection Form and obtaining departmental approval.

Students in thesis programs, who pay fees on a per term basis and who have already paid full-time tuition fees during the preceding year are not required to pay for required courses taken in the summer. If you are registered in a thesis program in Additional Session status, you will be charged Additional Session fees in the Summer term. Students in non-thesis programs will be charged fees for courses taken in the summer. Registration for “summer studies” should not be confused with registration for a Summer term which has been discussed previously in section 2.2.3: Summer Registration.

Many summer courses have limited enrolment and students are advised to register for such courses as early as possible. Graduate students intending to register for restricted undergraduate courses must complete and submit to Graduate and Postdoctoral Studies an approved “Add Undergraduate Course Form” available at [www.mcgill.ca/gps/students/registration/](http://www.mcgill.ca/gps/students/registration/), and the course will be added by Graduate and Postdoctoral Studies if there is space available in the course.

Please consult the Class Schedule for specific information on course dates and times, available at [www.mcgill.ca/students/courses/calendars](http://www.mcgill.ca/students/courses/calendars).

2.5  **Course Change Period**

You may make changes to your course registrations (add or drop courses), subject to the requirements and restrictions of your program and individual courses from the opening date of registration until the end of the Course Change period. The Course Change deadline coincides with the deadline for late registration. See [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

If you are registered in the Fall term, you may add and drop Winter term courses throughout the Fall term until the Winter term deadline for course change/late registration.

After the Course Change deadline, you may add courses only with written permission of the instructor, and the Associate Dean or Director of your faculty. A fee will be charged for each course you add.

Note for Graduate and Postdoctoral Studies: After the Course Change deadline, you may add courses exceptionally only with written permission of the instructor and your department, and the approval of GPS.

2.6  **Auditing of Courses**

McGill does not permit auditing of courses.

Revision, June 2011. Start of Revision.

Note for Continuing Studies: You can register for a Continuing Studies course and opt to have it "non-evaluated".

Revision, June 2011. End of Revision.

2.7  **Regulations Concerning Course Withdrawal**

After the Course Change deadline in the Fall and Winter terms, there is a period of a few days during which you may withdraw, with a grade of W, and receive a full refund of course fees.

After the Withdrawal (with refund) deadline, there is a period during which withdrawal from a course will also result in a grade of W but no course fees will be refunded.

2.7.1  **Courses that begin in the Fall Term**

Deadline for withdrawal (grade of W) with refund:

- Tuesday, September 20, 2011
Revision, August 2011. Start of revision.

Deadlines for withdrawal (grade of W) without refund:

- Single-term courses: Tuesday, October 18, 2011
- Multi-term courses that begin in Fall term: Tuesday, January 24, 2012

Revision, August 2011. End of revision.

2.7.2 Courses that begin in the Winter Term

Revision, August 2011. Start of revision.

Deadline for withdrawal (grade of W) with refund:

- Tuesday, January 31, 2012

Deadline for withdrawal (grade of W) without refund:

- Single-term courses: Tuesday, February 21, 2012
- Multi-term courses that begin in Winter term: Tuesday, May 15, 2012*

Revision, August 2011. End of revision.

*Note that if you are in multi-term courses with course numbers ending in N1 and N2 (course begins in the Winter term, skips the Summer term, and is completed in the subsequent Fall term) you may withdraw after May 15 and until the end of the Fall term Course Change period by contacting your Faculty Student Affairs Office.

After the withdrawal (without refund) deadline but before the end of the term, and only under exceptional circumstances, you may be granted permission to withdraw from a course. Permission will not be granted merely because you are doing unsatisfactory work. A grade of W or WF, as appropriate, will appear on your transcript but will not be calculated in your GPA. For further information, consult your Faculty Student Affairs Office.

Note:

1. To withdraw from required or complementary courses after the withdrawal (without refund) deadline, you may need to obtain permission from your adviser, and you must fill out and submit a course withdrawal form, available from your Faculty Student Affairs Office. Additional restrictions for Music courses are indicated in the Schulich School of Music section of this publication.
2. It is solely your responsibility to initiate a course withdrawal on Minerva. Neither notification of the course instructor nor discontinuing class attendance is sufficient. The date on which you withdraw on Minerva is the official date of withdrawal, even if you had stopped attending lectures earlier.
3. You may still withdraw from a course after the Course Change deadline without academic penalty provided that you do so within the appropriate withdrawal deadlines for the term. Otherwise, after this time, your name will continue to appear on the class list and grade reports and, in the event that you do not take the exam, you will be given a J grade.
4. Fee refunds, if any, will be in accordance with section 4.8: Fees and Withdrawal from the University.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at the Service Point (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

2.8 Regulations Concerning University Withdrawal

If you are considering withdrawing from the University, you are strongly encouraged to consult with your adviser and your Student Affairs Office (www.mcgill.ca/students/advising/advisordirectory) before making a final decision.

2.8.1 Student's Responsibility

It is solely your responsibility to initiate University withdrawal by submitting a form or writing to your Student Affairs Office. Neither notification of the course instructor nor discontinuing class attendance is sufficient. The date on which you dropped or withdrew from all courses is entered on Minerva and is the official date of withdrawal, even if you had stopped attending lectures earlier.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at the Service Point (3415 McTavish). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

Revision, August 2011. Start of Revision.
Note for Graduate and Postdoctoral Studies: The date the request for withdrawal is submitted to GPS is the official date of withdrawal.

Revision, August 2011. End of Revision.

2.8.2 Regulations Concerning University Withdrawal: Deadlines for University Withdrawal

If you decide not to attend the term(s) you are registered in, you must officially withdraw from the University within the deadlines indicated. See Withdrawal (W) deadline dates at www.mcgill.ca/importantdates. If you drop or withdraw from your last Fall or Winter course by the end of the add/drop period of that term, you are withdrawn from the University. To return to your studies, you must follow the procedures for readmission. For more information, see Readmission.

To withdraw from the University by the deadlines indicated below, you must drop or withdraw from all courses on Minerva (www.mcgill.ca/minerva).

2.8.2.1 Fall Term:

Revision, August 2011. Start of revision.

Deadline for University withdrawal with refund (minus $200 for returning and the registration deposit for new students): Tuesday, September 20, 2011

Deadline for University withdrawal without refund: Tuesday, October 18, 2011

Revision, August 2011. End of revision.

2.8.2.2 Winter Term:

Revision, August 2011. Start of revision.

Deadline for University withdrawal with refund (minus $200 for returning and the registration deposit for new students): Tuesday, January 31, 2012

Deadline for University withdrawal without refund: Tuesday, February 21, 2012

Revision, August 2011. End of revision.

If you are blocked from dropping or withdrawing from your last course on Minerva, you are required to contact your Student Affairs Office, which will supply any forms necessary to complete the University withdrawal as long as you have not missed the deadline for University withdrawal.

Note for the Faculty of Agricultural and Environmental Sciences: If you wish to withdraw after the deadlines indicated above, please contact the Faculty Adviser in the Student Affairs Office for further information.

Note for the Faculties of Arts and Science (including B.A. & Sc.): If you want to withdraw after the deadlines indicated above, under exceptional circumstances you may be granted permission for University withdrawal. Requests are made at Service Point (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

Note for the Faculties of Education, Management, and Music: If you want to withdraw after the deadlines indicated above, under exceptional circumstances you may be granted permission for University withdrawal. You should contact your Student Affairs Office (www.mcgill.ca/students/advising/advisordirectory) for further information.

Note for the Faculty of Law: In addition to the above procedures, it is important that you contact the Student Affairs Office to discuss your options and the effects that your request may have on your studies.

Revision, August 2011. Start of revision.

Note for Graduate and Postdoctoral Studies: A Withdrawal Form, available at www.mcgill.ca/gps/students/registration, must be submitted to GPS by the withdrawal deadlines indicated.

Revision, August 2011. End of revision.

2.8.3 Regulations Concerning University Withdrawal: Consequences of University Withdrawal

Any applicable fee refunds for the term of withdrawal will be according to section 4.8: Fees and Withdrawal from the University.

Once you withdraw, you must return your ID card to the University as stated in section 2.31: Identification (ID) Cards.

If you withdraw from the University in the Fall term, you are considered to be withdrawn from the entire academic year, i.e. Fall and Winter terms. If you plan on returning for the Winter term, you must follow the procedures for readmission.
2.9 Grading and Grade Point Averages (GPA)

Classification of Grades:

Courses can be graded either by letter grades or in percentages, but the official grade in each course is the letter grade. Where appropriate, a class average appears on transcripts expressed as the letter grade most representative of the class performance.

Note for Graduate and Postdoctoral Studies: Class averages do not appear on transcripts for graduate courses. In the Faculty of Engineering, letter grades are assigned according to the grading scheme adopted by the professor in charge of a particular course.

Since Fall 2002, the University has only used letter grades on transcripts and verification forms.

Grades A through B- represent satisfactory passes, and F a failure. Certain courses have been approved for Pass/Fail (P/F) grading. Students must obtain grades of B- or better in courses used to fulfill program requirements.

<table>
<thead>
<tr>
<th>Grades</th>
<th>Grade Points</th>
<th>Numerical Scale of Marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4.0</td>
<td>85 - 100%</td>
</tr>
<tr>
<td>A-</td>
<td>3.7</td>
<td>80 - 84%</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
<td>75 - 79%</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
<td>70 - 74%</td>
</tr>
<tr>
<td>B-</td>
<td>2.7</td>
<td>65 - 69%</td>
</tr>
<tr>
<td>F (Fail)</td>
<td>0</td>
<td>0 - 64%</td>
</tr>
</tbody>
</table>

The University assigns grade points to letter grades according to the table above. Your academic standing is determined by a grade point average (GPA), which is calculated by dividing the sum of the course credit, times the grade points by the total course GPA credits. The result is not rounded up to the nearest decimal point.

GPA credits are the credits of courses with grades that are assigned grade points.

\[
\text{GPA} = \frac{\sum (\text{course credit} \times \text{grade points})}{\sum (\text{GPA course credits})}
\]

The term grade point average (TGPA) is the GPA for a given term calculated using all the applicable courses at the same level in that term. The cumulative grade point average (CGPA) is the GPA calculated using your entire record of applicable courses at McGill at the same level; if you change levels, e.g., from undergraduate to graduate, the CGPA starts again.

Note for Graduate and Postdoctoral Studies: If you change levels, e.g., from master’s to doctoral, the CGPA starts again.

This policy took effect in January 2003. For students with academic information prior to Fall 2002, who are registered in a different program or in a different level post-Fall 2002, the transcript displays a special message regarding the CGPA restarting.

If you repeat courses, all results are included in the GPA calculation. Therefore, grades of F or J continue to be used in the CGPA calculation even after you repeat the course or if you take a supplemental examination.

Other Grades:

IP — in progress: (Master’s Thesis Courses Only)

P — pass; Pass/Fail grading is restricted to certain seminars, examinations and projects only. In such cases all grades in these courses are recorded as either Pass or Fail. Not calculated in TGPA or CGPA.

HH — to be continued: the use of this grade is reserved for major research projects, monographs and comprehensive examinations as designated for graduate studies.
Other Grades:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Description</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>J</td>
<td>unexcused absence (failed);</td>
<td>the student is registered for a course but does not write the final examination or do other required work; calculated as a failure in the TGPA and CGPA.</td>
</tr>
<tr>
<td>K</td>
<td>incomplete; deadline extended</td>
<td>for submission of work in a course or for the completion of a program requirement such as a Ph.D. language examination (maximum four months). (Need a K contract signed.)</td>
</tr>
<tr>
<td>KF</td>
<td>incomplete/failed; failed to meet the extended deadline for submission of work in a course or for the completion of a program requirement; calculated as a failure in TGPA and CGPA.</td>
<td></td>
</tr>
<tr>
<td>KK</td>
<td>completion requirement waived.</td>
<td>Not calculated in TGPA or CGPA. This is used in exceptional cases only, with the approval of the Director of Graduate and Postdoctoral Studies. Not calculated in TGPA or CGPA.</td>
</tr>
<tr>
<td>KE or K*</td>
<td>further extension</td>
<td>granted with the approval of the Director of Graduate and Postdoctoral Studies (maximum two years.) (Need a K contract signed.)</td>
</tr>
<tr>
<td>L</td>
<td>deferred; for students whose final examinations or papers have been deferred, for reasons such as illness, at the time of the examination. Deferrals will not be granted for reasons such as early plane bookings. The “L” grade must be cleared as soon as possible (maximum four months). A dated medical certificate or appropriate document recommending a deferral must be submitted to Graduate and Postdoctoral Studies with a departmental recommendation for a deferral before or immediately after the examination. In particular, such recommendations will not be considered if medical reasons are brought forth after a grade is assigned. By commencing to write any examination, the student waives the right to plead medical causes for deferral or permission to write a supplemental examination, unless the medical problem occurs in the course of the examination and is documented by examination authorities.</td>
<td></td>
</tr>
<tr>
<td>LE or L*</td>
<td>further extension; permitted to defer examination for more than the normal period.</td>
<td></td>
</tr>
<tr>
<td>NA or &amp; &amp;</td>
<td>grade not yet available.</td>
<td></td>
</tr>
<tr>
<td>NR</td>
<td>no grade reported</td>
<td>by the instructor (recorded by the Registrar).</td>
</tr>
<tr>
<td>Q</td>
<td>course continued in next term (applicable only to courses taken pre-Fall 2002).</td>
<td></td>
</tr>
<tr>
<td>Satisfactory/Unsatisfactory</td>
<td>Not used for graduate students.</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>withdrew with approval;</td>
<td>a course dropped, with permission, after the Course Change deadline; not calculated in TGPA or CGPA.</td>
</tr>
<tr>
<td>WF</td>
<td>withdrew failing;</td>
<td>a course dropped, with special permission in an exceptional case, after faculty deadline for withdrawal from course, the student's performance in the course at that stage being on the level of an F; not calculated in TGPA or CGPA. (Not used by Music and Graduate Students.)</td>
</tr>
<tr>
<td>WL</td>
<td>faculty permission to withdraw from a deferred examination (approved by GPS); not calculated in TGPA or CGPA.</td>
<td></td>
</tr>
<tr>
<td>W-- or --</td>
<td>no grade;</td>
<td>student withdrew from the University, not calculated in TGPA or CGPA.</td>
</tr>
</tbody>
</table>

2.10 Grading and Grade Point Averages (GPA): Unexcused Absences

All students who miss a final exam are given a J grade. You then have the following options:

1. Ask to be assigned a grade based only on the grades earned for your work submitted up to, but not including, the final exam.
   The grade earned is calculated by adding the grades obtained on the individual pieces of work and a grade of 0 for the portion of the final grade allocated to the final exam. This option is not available if the professor stipulated in the course outline that the final exam is a required part of the evaluation.

2. Request a deferred exam, if you have the appropriate reasons and documentation.

3. Apply for a supplemental exam if permitted by your faculty.

Note for Engineering: Option 1 is not available to students in the Faculty of Engineering.

You must request option 1) no later than four months after the end of the examination period of the original course. You must request option 2) by the faculty deadlines as indicated in: Final Examinations: Deferred Examinations of this publication. You must request option 3) by the faculty deadlines as indicated at www.mcgill.ca/student-records/exam/schedules. If you wish to appeal a J grade, you should write to your Associate Dean or Director.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at Service Point (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

Revision, August 2011. Start of Revision.

Note for Graduate and Postdoctoral Studies: Only options 2 and 3 above are applicable to graduate students. Students wishing to appeal a J grade should write to the Associate Dean (GPS) or Director (GPS).
2.11 Verification of Student Records: Unofficial Transcripts

Subject to section 2.13: Changes to Student Records after Normal Deadlines, you are responsible for verifying your academic record on Minerva (www.mcgill.ca/minerva) using the unofficial transcript to ensure that you are registered in the proper courses, and that the correct program information and expected term of graduation appear on your record.

If you are graduating, verify your record on Minerva before the end of your final term to ensure that the correct expected graduation term appears on your unofficial transcript; if not, you may be overlooked for graduation. You should direct any questions or problems with your record to your Student Affairs Office.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at the Service Point (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

Revision, August 2011. Start of Revision.

Note for Graduate and Postdoctoral Studies: You should direct any questions or problems with your record to your Graduate Program Director or directly to GPS.

Revision, August 2011. End of Revision.

2.12 Verification of Student Records: Degree Evaluation

Degree Evaluation is a Minerva tool to help students and advisers compare the student's academic record with the requirements of a specific program. If you have access to Degree Evaluation on Minerva under the Student Records Menu (www.mcgill.ca/minerva) you can review your progress within your current program. Also, if you are considering a program change, you can generate a "what-if" comparison of your academic record with the requirements of another program.

The presentation in the Degree Evaluation Report may have a different appearance than the requirements listed in this publication. For example, a long listing of courses may be grouped into one course "attribute" on the Minerva report.

Degree Evaluation also provides a central record of adviser/faculty-approved adjustments to your program of study (e.g., the replacement of one specified course with another or acceptance of a non-McGill course for credit).

Please note that Degree Evaluation is an advising tool only. A Degree Evaluation Report that indicates program requirements have been satisfied does NOT constitute approval to graduate.

For details regarding Degree Evaluation, including Reading a Degree Evaluation Report, see www.mcgill.ca/students/courses/plan/evaluation.

Revision, August 2011. Start of Revision.

2.13 Changes to Student Records after Normal Deadlines

2.13.1 Student Record Changes

Student record changes include the following: course add or course drop, course withdrawal, university withdrawal, program change (including changing majors, minors or concentrations).

2.13.2 Registrar Deadlines

Fall term - January 31
Winter term - June 1
Summer term - October 1

2.13.3 Before Registrar Deadlines

For record changes after the normal deadlines published in this publication, but before the Registrar deadlines listed in Registrar Deadlines, you must make a request in writing to your Associate Dean or Director, clearly explaining why you could not request the change before these dates. The Associate Dean or Director will review your request and make a decision. If your request is approved, the change is processed according to existing faculty and Enrolment Services student record procedures.
2.13.4 After Registrar Deadlines

The University does not normally consider a change requested after the Registrar deadlines listed in Registrar Deadlines have passed. In situations where there are "extraordinary personal" or "extraordinary academic" circumstances that could not have been foreseen prior to these deadlines, you may formally request a student record change from your Associate Dean or Director. If your Associate Dean or Director approves the request, the change will be processed according to faculty and Enrolment Services student-record procedures. For all changes other than grade changes, the faculty will file full documentation that supports the extraordinary circumstances with Enrolment Services.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at the Service Point (3415 McTavish). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

2.13.5 Fee Assessment Consequences

When a change to your student record is made, the revised fee assessment appears on your next fee statement.

If you want to contest the fee assessment, you must make a written request to Enrolment Services. Enrolment Services reviews the extraordinary circumstances described in the supporting documentation provided by your faculty, and consults with the Student Accounts Office if necessary, to decide whether or not to consider the request. Enrolment Services then sends you a letter explaining the decision.

2.13.6 Student's Citizenship and/or Immigration or Fee Exemption Status

Note that your faculty/school or Graduate and Postdoctoral Studies does not handle changes related to your citizenship and/or immigration or fee exemption status; see section 2.26: Legal Documents: Why Does McGill Collect Legal Documents from You?

2.14 Failure Policy

Students who have failed one course required by their department while registered as a graduate student may automatically write one supplemental examination, if the departmental policy permits, or retake that course or substitute an equivalent course. For the purposes of this policy, "required course" (including a complementary course) includes either a course required by the student's program of study, or a course that has been designated by the department for an individual student's program of study. Students with any further failures in that course, including the supplemental, or a failure in any other course, will be required to withdraw from their program of study. A student may not claim medical reasons for a course failure after the fact. In the case of an examination, a dated medical certificate or appropriate document recommending a deferral must be submitted to Graduate and Enrolment Services student-record procedures. For all changes other than grade changes, the faculty will file full documentation that supports the extraordinary circumstances with Enrolment Services.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at the Service Point (3415 McTavish). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

Failed Thesis or Research

Students and master's students in thesis programs can also be required to withdraw from their program of study. When a student retakes a course, he/she is required to pay the fee charged for the course in question. Ph.D. students who have failed one course required by their department while registered as a graduate student may automatically write one supplemental examination, if the departmental policy permits, or retake that course or substitute an equivalent course. For the purposes of this policy, "required course" (including a complementary course) includes either a course required by the student's program of study, or a course that has been designated by the department for an individual student's program of study. Students with any further failures in that course, including the supplemental, or a failure in any other course, will be required to withdraw from their program of study. A student may not claim medical reasons for a course failure after the fact. In the case of an examination, a dated medical certificate or appropriate document recommending a deferral must be submitted to Graduate and Enrolment Services student-record procedures. For all changes other than grade changes, the faculty will file full documentation that supports the extraordinary circumstances with Enrolment Services.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at the Service Point (3415 McTavish). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

The failure policy does not pertain to the failure of comprehensive examinations, doctoral oral defenses, or thesis failures. In the case of a failed comprehensive examination, the Thesis Failure Policy, detailed in the Thesis Guidelines, applies. In the case of a failed comprehensive examination, the Ph.D. Comprehensives Policy applies.

Senate, October 11, 2000.
Revised – GPS Council, February 10, 2003

Procedure to follow in cases of failure:

The procedure in cases of initial failure is as follows: the failing grade is to be recorded and a letter sent to Graduate and Postdoctoral Studies indicating that a supplemental examination is to be given under the Failure Policy. If the supplemental is passed, the second grade should be submitted. The same procedure applies for a recommendation of a retake or a substitution. In the event of a failure of a supplemental exam, the department should request, in writing, that the student withdraw (with a copy of said letter forwarded to GPS).

Similarly, in the event of a failure in a second course, a written request for withdrawal (copied to GPS) should be sent to the student.

Note: A student in a graduate program who has failed one course while being a Special Student in graduate studies will have this failure count as a first failure in a related graduate program. Any further failure will require withdrawal from the program of study. A student may not claim medical reasons for a course failure after the fact. In the case of an examination, a dated medical certificate or appropriate document recommending a deferral (see "Other Grades" in section 2.9: Grading and Grade Point Averages (GPA);"

> "L - deferred" and "L* - further deferral") must be submitted to Graduate and Postdoctoral Studies with a departmental recommendation for a deferral before or immediately after the examination. In particular, such recommendation will not be considered if medical reasons are brought forth after a grade is submitted. Medical reasons declared after the fact will not be considered acceptable grounds of appeal of withdrawal under the Failure Policy.
2.15 Language Policy

The main language of instruction at McGill is English. You have the right to write essays, examinations, and theses in English or in French except in courses where knowledge of a language is one of the objectives of the course.

Revision, June 2011. Start of revision.

If you need to improve your English skills, you should take an intensive course in English as a second language before or at the start of your studies. Information concerning second-language course offerings can be found through the School of Continuing Studies at www.mcgill.ca/conted/langprg and the French Language Centre at: www.mcgill.ca/flc, and in the Summer Studies and School of Continuing Studies publications. There are special language requirements for Faculty of Education students; see the Faculty of Education publication.

Note for Continuing Studies: For English Language programs, see School of Continuing Studies > Areas of Study > Languages : : English and French Language Programs – English Language Programs.

Revision, June 2011. End of revision.

Revision, August 2011. Start of revision.

Note for Law: Due to the bilingual nature of the Law program, examinations, term papers, and essays may be written in either English or French. Participation in Moot Courts may also be in either language. While examination questions are set in the language in which a course is given, they may contain materials in either English or French.

Note for Graduate and Postdoctoral Studies: You should refer to Graduate and Postdoctoral Studies General Information and Regulations > Registration > Courses Taken as Extra to a Program > : Courses Taken as Extra to a Program.

Revision, August 2011. End of revision.

2.16 University Student Assessment Policy

Revision, August 2011. Start of revision.

The purpose of the University Student Assessment Policy is to bring together into a single document all the disparate policies with regard to all types of student assessments. This policy is meant to protect you from excessive workloads, and to ensure that all students are treated equally.

This policy applies to all undergraduate and graduate courses offered by the University that are evaluated by any form of assessment. Except where otherwise indicated, this policy applies to all faculties, including those which administer their own examinations.

You can consult the policy at www.mcgill.ca/secretariat/policies/students.

Revision, August 2011. End of revision.

2.17 Regulations Concerning Theses

The thesis submission guidelines contain important information regarding procedures and deadlines. Students who are in the process of writing a thesis must consult these thesis submission guidelines in order to adhere to University regulations concerning the submission of a thesis. Thesis submission guidelines and all the forms required for thesis submission are posted on the web at www.mcgill.ca/gpa/students/thesis/guidelines.

Forms and guidelines are updated as procedures change. Students should keep informed of these changes by referring to the website.

Dates of submission of theses, convocations, etc., are available at www.mcgill.ca/importantdates.

2.18 Graduation

In order to graduate, you must complete faculty and program requirements. It is your responsibility to meet all faculty and program requirements before graduation.

At the time of graduation from an undergraduate degree, you must be in Satisfactory standing with a minimum CGPA of 2.00.

You should contact your adviser (Music students should contact the Senior Student Adviser; graduate students should contact the Graduate Program Director) early in the graduating year to make sure you will meet your program requirements by graduation time. For contact information on advisers, see www.mcgill.ca/students/advising/advisordirectory.

Minimum Residency Requirement
The total number of McGill credits required to graduate is known as the minimum residency requirement. You must successfully complete a minimum of 60 McGill credits in order to obtain a McGill undergraduate degree. Some programs have specific requirements on the type of credits that must be completed at McGill. For example, two thirds of all program requirements must be completed at McGill. For specific information refer to your faculty section of this publication.

Students completing a second undergraduate degree at McGill must successfully complete a minimum of 60 McGill credits to obtain their degree. You should check with your Faculty adviser for any conditions applicable to the McGill credits required towards your degree.

Graduate students should refer to the Graduate and Postdoctoral Studies Calendar for information on minimum residency requirements for graduate programs.

Revision, June 2011. Start of revision.

Note for Continuing Studies: Minimum Residency Requirement (Continuing Studies):

- You must successfully complete a minimum of 21 McGill credits (excluding pre-requisites and co-requisites) in order to obtain a McGill undergraduate certificate. For specific information refer to your department section of this publication.
- Students completing a second undergraduate certificate at McGill must successfully complete a minimum of 21 McGill credits (excluding pre-requisites and co-requisites) in order to obtain their certificate. You should check with your advisor for any conditions applicable to the McGill credits required towards your certificate.

Revision, June 2011. End of revision.

2.18.1 Apply to Graduate

Most undergraduate students and non-thesis graduate students (master's, certificates, diplomas) must use Minerva (www.mcgill.ca/minerva) to apply to graduate (go to Student Records > Apply for Graduation for Your Primary Curriculum.) It is your responsibility to inform McGill of your intention to graduate. You need a minimum residency requirement of 60 credits at McGill to qualify for a McGill undergraduate degree. For more information see section 2.18: Graduation. The minimum CGPA required to graduate is 2.00, and you must be in Satisfactory Standing.

The Application for Graduation is available on Minerva when you register for your final year (e.g. U3 or U4), except if you are in the Faculty of Medicine or Faculty of Dentistry, where you are automatically flagged for graduation in your final year. For more information on how to apply on Minerva, go to www.mcgill.ca/students/graduation/applying.

Once you apply to graduate, you are authorizing the University to include your name in the Convocation program. If you want your name to be omitted from this publication you must send an email to Enrolment Services at studentrecords@mcgill.ca by March 15 for Spring convocation, and September 15 for Fall convocation.

2.18.1.1 Deadlines:

- Fall term graduation (courses completed in December; transcript will indicate "degree granted" in February; Spring convocation): You must apply on Minerva by the end of November.
- Winter term graduation (courses completed in April; transcript will indicate "degree granted" in May; Spring convocation): You must apply on Minerva by the end of February.
- Summer term graduation (courses completed by August; transcript will indicate "degree granted" in October; Fall convocation): You must apply on Minerva by the end of March.

If you miss one of these deadlines, contact your Faculty Student Affairs Office immediately.

Note for the Faculties of Arts and Science (including B.A. & Sc.): Requests are made at the Service Point (3415 McTavish Street). However, it is important that you also see a Faculty adviser in Dawson Hall to talk about your options and the effects that your request may have on your studies. For more information, see www.mcgill.ca/students/advising.

Revision, June 2011. Start of Revision.

Note for Continuing Studies: The minimum residency requirement of 60 credits does not apply to the School of Continuing Studies certificates and diplomas.

Revision, June 2011. End of Revision.

Revision, August 2011. Start of Revision.

Note for Graduate and Postdoctoral Studies: If you miss one of these deadlines, you must follow the procedures at www.mcgill.ca/gps/students/nonthesis. The Application for Graduation is available on Minerva for students in non-thesis programs who have registered for their final year. To ensure that you have met the requirements for graduation, you should refer to Program Requirements > Master's Degrees, found under each Faculty's Graduate and Postdoctoral Studies section.

Revision, August 2011. End of Revision.
2.18.2 Graduation Approval Query

As a graduating student, you can view the status of your graduation record on Minerva (www.mcgill.ca/minerva) during the Faculty review and approval process (go to Student Records > Graduation Approval Query). The Graduation Approval Query form becomes available to graduating students approximately three to four weeks before the Degree Granted notation is updated on their records.

If you have met all requirements for graduation, your student record on Minerva will display the Degree Granted notation at the appropriate time:

- Late February, for Fall term graduation (Convocation in Spring).
- Late May, for Winter term graduation (Convocation in Spring).
- Late October, for Summer term graduation (Convocation in Fall).

See www.mcgill.ca/convocations for information regarding convocation ceremonies.

2.18.3 Replacement Diploma

If your diploma was lost, damaged, or the name on the diploma should be changed, you can request a replacement diploma. You must send a written request plus a certified cheque or money order for CAD$60, payable to McGill University. You should refer to the sections below to determine which situation applies to you. Send your request to:

Enrolment Services
Duplicate Diploma Request
McGill University
3415 McTavish Street
Montreal (QC) H3A 1Y1

Email: servicepoint@mcgill.ca

Please note that requests made on behalf of a student must be accompanied by a signed letter of authorization from the student.

To replace a lost diploma: You must provide a sworn affidavit from a notary, a lawyer or a commissioner of oaths certifying that the diploma is lost. The affidavit must include: your full name; student number; address; phone number; date of birth; degree granted/year granted; and reason for a replacement diploma.

To replace a damaged diploma or change the name on the diploma: You must send or deliver the original diploma, and your letter must include the following information: full name; student number; address; phone number; date of birth; reason for a replacement diploma; and any corrections, additions or deletions.

For name changes: You must include clear and complete photocopies of legal documents supporting your name change request. Please see section 2.32: Name: Legal Name for the list of acceptable documents. Note that the name change must be processed in the University system before a duplicate diploma can be issued.

To request certified copies of a diploma: McGill provides only one original diploma per student. However, you may obtain certified copies of your diploma. Simply photocopy your original diploma on 8.5” x 11” paper in landscape mode, making certain to reduce it so that all seals and signatures are visible. Enrolment Services will certify as many copies as required at no charge. A cover letter bearing your signature and including your full name, student number, address and phone number is required for mail or fax requests. Note that certified copies of your diploma are not sent by fax or email.

To request a translation of a diploma: McGill can provide you certified English or French translations of your diploma as required, free of charge. Please send us a written request specifying the degree to be translated and how many copies you need. You should ensure to include your complete name, address, date of birth and signature. You must allow at least a week for processing and mailing. Note that translated diplomas are not sent by fax or email.

2.18.4 Dean’s Honour List

Only graduate students who have completed their program within the University’s time limitation for their program are considered for the Dean’s Honour List designation.

The criteria for inclusion in the Dean’s Honour List is as follows:

Master’s Thesis Candidates:
Truly outstanding student recommended by the department.

2.19 Aegrotat Standing and Degree at McGill University

Aegrotat standing is awarded in rare cases where a student, based on serious medical or similar evidence, is unable to complete course requirements within a reasonable time, or at all.

At McGill, this designation is currently applied toward the end of a student’s degree program resulting in the awarding of an aegrotat degree. An aegrotat indicator of “Y” at graduation signifies that a student was awarded such a degree. An aegrotat degree is awarded only to students in good standing who have

70 2011-2012, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, McGill University (Published September 13, 2011)
been unable to complete their degree due to special circumstances. Information on this degree designation is included only in the convocation program, and not on the transcript.

Aegrotat standing is rarely granted at McGill University. A formal request must be submitted to the Dean of the faculty in which the student is registered during the graduating year. The approval of the Dean and the Deputy Provost, Student Life and Learning, is necessary to grant this status.

2.20 Policy Concerning Access to Records

The University sends statements of account and all other correspondence directly to students. You retain full control over who has access to your records or accounts; however, officers and members of the University staff also have access to relevant parts of your records for recognized and legitimate use. The University does not send progress reports or any other information to your parents and/or sponsors unless you specifically request it in writing.

In accordance with Quebec’s Act Respecting Access to Documents held by Public Bodies and the Protection of Personal Information (the “Access Act”), personal information, including transcripts of academic records, may be released only with the student’s authorization. When you apply to McGill, you authorize the University to release certain personal information (name, address, telephone number, email address, date of birth, program and student status) to specific persons and bodies.

The following persons and bodies are included in your information release authorization:

1. Libraries of other Quebec universities with which McGill has reciprocal borrowing agreements (ID number and bar code may also be disclosed to those libraries).
3. The appropriate authorities involved with the external or internal funding of your student fees (financial records may also be disclosed to those authorities).
5. The Association of Registrars of Universities and Colleges of Canada and the Conférence des recteurs et des principaux des universités du Québec, or the member institutions of these organizations, for the purpose of admissions operations and the production of statistics.
6. The school(s) or college(s) that you attended.
7. Students and alumni who have volunteered to speak with admitted students.
8. Student Associations recognized by McGill University for the student category(ies) to which you belong.
10. Professional bodies or corporations (e.g., engineers, dentists).
11. McGill Network and Communications Services for the purposes of listing your McGill email address in an online email directory.

If you do not want to authorize the University to disclose personal information to the organizations mentioned above in 8, 9, 10 and 11, you must complete and submit an Opposition Form, available at Service Point (www.mcgill.ca/students/servicepoint).

2.21 Transcript of Academic Record: Unofficial Transcripts

If you require a copy of your student record, access Minerva (www.mcgill.ca/minerva) to view and print an unofficial transcript. This applies to records from 1976 to the present. For pre-1976 records, you must order an official transcript. See section 2.22: Transcript of Academic Record: Official Transcripts.

2.22 Transcript of Academic Record: Official Transcripts

Use Minerva (www.mcgill.ca/minerva) to order an official transcript at Student Menu > Student Records Menu > Request Printed/Official Transcript. For more information on transcripts, delivery method and processing time see www.mcgill.ca/student-records/transcripts

Alumni who were registered or graduated prior to Fall 2002: Please visit the IT Knowledgebase (www.mcgill.ca/it) to view how your McGill ID & Minerva PIN has changed.

Alumni who were registered or graduated prior to 1972 (archived records): You are unable to submit a request in Minerva. Complete and sign a Request for Release of Official Document form located on: www.mcgill.ca/student-records/forms and submit the form to Service Point (www.mcgill.ca/student-records/contact).

Note: Proxy requests will be accepted only with written authorization.

2.23 Transcript of Academic Record: General Information

Transcripts are free of charge.
The University sends official transcripts directly to the addresses provided by the student. If you intend to deliver the transcript to another institution yourself, you can request to receive it in a sealed envelope.

Requests are normally processed in 24 to 48 hours; transcripts requested at peak times and for pre-1976 records take longer.

Enrolment Services is not responsible for transcripts that are lost or delayed in the mail.

The University issues only complete transcripts that record all attempted work and final results obtained in any and all programs. Under no circumstances does the University issue partial transcripts.

Official transcripts are NOT issued for students registered on or after September 2001 who have failed to provide the information and/or documents necessary to obtain or verify their Permanent Code.

Transcripts are not issued if you owe fees or fines over $30.

The University prints official transcripts on secure paper that cannot be copied.

Requests for official transcripts must be submitted on Minerva. For more information, refer to section 2.22: Transcript of Academic Record: Official Transcripts.

### 2.24 Transcript of Academic Record: Course Numbering on the Transcript

Prior to September 2002, course numbers had seven-character designations beginning with a three-number code indicating the teaching unit/department. The next three digits specified the course, with the first of these indicating its level. The final character was a letter indicating the term, or terms, during which the course was offered. For example:

- 107-200A = Philosophy (107) course (200) in Fall term (A);
- 301-202B = Architecture (301) course (202) in Winter term (B);
- 154-230D = Economics (154) course (230) extending for two terms, Fall and Winter (D).

A list of the former Teaching Unit Codes and their Subject Code equivalents is available at [www.mcgill.ca/student-records/transcripts](http://www.mcgill.ca/student-records/transcripts).

For information on our current course numbering, see Course Numbering.

**Revision, June 2011. Start of Revision.**

- **Note for Continuing Studies:**
  - Examples of course numbers displaying on transcripts prior to September 2002 are:
    - 280-211X = Intro. to Financial Accounting in Fall term (X);
    - 629-202Y = Micro Economics in Winter term (Y);
    - 660-221Z = Project Management extending for two terms, Fall and Winter (Z).

**Revision, June 2011. End of Revision.**

### 2.25 Academic Integrity

Before submitting work in your courses, you must understand the meaning and consequences of plagiarism and cheating, which are serious academic offences. Inform yourself about what might be considered plagiarism in an essay or term paper by consulting the course instructor to obtain appropriate referencing guidelines. You should also consult *Fair Play*, the student guide to academic integrity available at [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest). There you will also find links to instructional tutorials and strategies to prevent cheating. The *Code of Student Conduct and Disciplinary Procedures* includes sections on plagiarism and cheating. The possession or use of unauthorized materials in any test or examination constitutes cheating. You can find the *Code* in the *Handbook on Student Rights and Responsibilities* or at [www.mcgill.ca/students/srr/publications](http://www.mcgill.ca/students/srr/publications).

Responses on multiple-choice exams are normally checked by the Exam Security Computer Monitoring program. The program detects pairs of students with unusually similar answer patterns on multiple-choice exams. Data generated by this program can be used as admissible evidence in an investigation of cheating under Article 16 of the *Code of Student Conduct and Disciplinary Procedures*.

The Office of the Dean of Students administers the academic integrity process as described in the *Handbook on Student Rights and Responsibilities*.

### 2.26 Legal Documents: Why Does McGill Collect Legal Documents from You?

Your tuition status at McGill will vary depending on your status in Canada. In order for us to determine your appropriate rate of tuition (Quebec, Canadian out-of-province, or international), we require legal documents confirming your current status. We also require these documents to confirm your valid citizenship/immigration status. To find out which documents you must provide, refer to: section 2.27: Legal Documents: What Documents Does McGill Need from You?.
Some of the documents McGill requests of you help us obtain your **Permanent Code** from the Government of Quebec. This unique 12-character code is issued by the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS), and is obligatory for all students registered in a Quebec institution.

If you have previously attended school in Quebec, you already possess a Permanent Code which can be found on your school report card or your CEGEP and/or university transcripts. After you have accepted the University’s offer of admission, you can check on Minerva (under the **Personal Menu**) to see if McGill has received your Permanent Code.

You can consult your tuition and legal status (including your Permanent Code) on Minerva ([www.mcgill.ca/minerva](http://www.mcgill.ca/minerva)). Select **Student Menu > Student Accounts Menu > View your Tuition and Legal Status**.

### 2.27 Legal Documents: What Documents Does McGill Need from You?

Follow the instructions in the first row of this table that apply to you. **Send clear, legible copies of documents (not originals).**

<table>
<thead>
<tr>
<th>Quebec and Canadian Out-of-Province Students</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>You have applied to McGill directly from CEGEP or you already have a student record at McGill</td>
<td><strong>• Usually</strong> no documents are required for your Canadian and/or Quebec status, based on McGill’s records or as confirmed by the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS)</td>
</tr>
</tbody>
</table>
| You have applied to McGill from another Quebec university | **•** Canadian birth certificate; or Canadian citizenship card (both sides of the card); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Record of Permanent Resident status (Note 3); or valid Canadian Permanent Resident card (both sides of the card)  
**•** For your Quebec residency status, **usually** no documents are required, unless McGill cannot confirm this from the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) |
| You were born in Quebec | **•** Quebec birth certificate (Note 1 and 5)  
**•** Permanent Code Data Form (Note 2 and 6) |
| You were born in (or are a Landed Immigrant from) a Canadian province other than Quebec | **•** Canadian birth certificate; or Canadian citizenship card (both sides of the card); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Record of Permanent Resident status (Note 3); or valid Canadian Permanent Resident card (both sides of the card)  
**•** Permanent Code Data Form (Note 2 and 6) |
| You are a Quebec resident as defined by one of the other situations outlined by the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) | **•** Canadian birth certificate; or Canadian citizenship card (both sides of the card); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Record of Permanent Resident status (Note 3); or valid Canadian Permanent Resident card (both sides of the card)  
**•** Permanent Code Data Form (Note 2 and 6)  
**•** Attestation of Residency in Quebec Form (Note 6)  
**•** Other supporting documents, depending on which situation you checked on the above Attestation of Residency Form |

<table>
<thead>
<tr>
<th>International Students</th>
<th></th>
</tr>
</thead>
</table>
| You will be studying at McGill for less than 6 months (i.e., for only one academic semester) as a non-degree student (e.g. Exchange, Special, Visiting) | **•** Visitors Permit issued at your port of entry into Canada by Citizenship and Immigration Canada  
**•** Photo page of your passport and the page date-stamped by Citizenship and Immigration Canada at your port of entry  
**•** Permanent Code Data Form (Note 2 and 6) |
| You will be in Canada for more than 6 months (i.e. you are enrolled in a degree, certificate or diploma program, usually for two or more consecutive academic semesters) | **•** Certificate of Acceptance of Quebec (CAQ)  
**•** Permanent Code Data Form (Note 2 and 6)  
**•** Study Permit issued by Immigration Canada (Note 4) |
Note 1: You may alternatively provide your Quebec baptismal certificate if it was issued prior to January 1, 1994, and clearly shows where you were born and that your baptism in Quebec occurred no more than four months after your date of birth.

Note 2: Your signed Permanent Code Data Form is usually required. If the names of your parents appear on your birth certificate, or if you have already provided McGill with your Permanent Code, you do not need to supply this form.

Note 3: Your valid Canadian Permanent Resident status can be proved by a copy of your Canadian Confirmation of Permanent Residence (IMM 5292) document or with your Canadian Permanent Resident card (copy of both sides required). Alternatively, you may provide your Immigration Record of Landing (IMM 1000) document. Note that McGill reserves the right to ask you for copies of both your PR card and your IMM document.

Note 4: If you are a refugee, your Convention Refugee status document is required instead of a Study Permit.

Note 5: Usually McGill needs your birth certificate to prove your place of birth in Quebec. If you already have a valid Quebec Permanent Code, McGill will accept a copy of your valid Canadian passport that indicates your birth place as being within the province of Quebec, as proof that you qualify for Quebec residency.

Note 6: You can find links to download and print the Permanent Code Data and Attestation of Quebec Residency forms at www.mcgill.ca/legaldocuments/forms.

2.27.1 Fee Exemptions

Revision, June 2011. Start of revision.

Students in certain categories may be eligible to claim an exemption from the international rate of tuition fees according to the regulations set by the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS). These exemptions lower your fees to the Quebec rate of tuition. A list of categories and the required application form are available at www.mcgill.ca/legaldocuments.

Revision, June 2011. End of revision.

2.28 Legal Documents: Has McGill Received Your Documents?

2.28.1 Quebec/Canadian/International Fees

Once McGill has received your documents, it usually takes one week to process them and update your file accordingly.

- Check your tuition status on the Minerva (www.mcgill.ca/minerva) Student Accounts menu: Student Menu > Student Accounts Menu > View your Tuition and Legal Status.
- Check the phrase: Fees currently calculated according to rules for... This will tell you if your tuition status is currently being billed at the international rate, the Canadian rate, or at the Quebec rate. For information on fees, see www.mcgill.ca/student-accounts.
- Electronic billing is the official means of delivering fee statements to all students; you may view your e-bill on Minerva. For more information, see the following website: www.mcgill.ca/student-accounts.

If you do not agree with your tuition status, notify McGill right away. If you provide additional documentation in support of your file after the last day of classes for the given term, McGill will be unable to accept your requested changes, or to update your tuition status rate for that term.

2.28.2 Permanent Code

The Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) usually takes one to four weeks to verify or issue your Permanent Code.

- Check your Permanent Code on Minerva: Personal Menu > Name Change or alternately via Student Menu > Student Accounts Menu > View Tuition Fee and Legal Status. If your 12-character Permanent Code appears there, your documents are in order. If not, you have not yet provided McGill with your documents listed in section 2.27: Legal Documents: What Documents Does McGill Need from You? or the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) has not yet confirmed that your documents are sufficient to create a Permanent Code.

2.29 Legal Documents: What Are the Consequences of Not Providing Your Documents?

The deadline to submit documents in support of a change to your tuition status is the last day of classes for the current term.

McGill will not produce your ID card until all of your legal documents have been received. Your ID card is essential to the use of many services on campus, and to take your final exams.
If we are missing the required legal documents, a hold will be added to your record preventing you from registering or dropping any courses, and from obtaining your official transcript.

International students who have not provided their valid immigration documents to McGill may be de-registered.

If your tuition status is changed and your fees are reduced as a result of the document review process, McGill will waive the difference on any accumulated late payment or interest charges.

2.30 Legal Documents: Where Do I Send my Documents?

You must send in all your documents after you have been accepted to McGill but before the start of classes. Do not send originals. Email or mail clear and legible copies of your documents. Write your McGill student ID on each document so that McGill can match them to your record. The sooner you submit your documents, the sooner the University can update your status and ensure that your record is in order. Refer to www.mcgill.ca/legaldocuments for further details.

By Email:
Follow these steps to submit your legal documents electronically.

1. Save the attached file in an accepted format.
   Standard PDF (.pdf) – encrypted PDFs will not be accepted.
   Tagged image format (.tif, .tiff; for scans). Ensure that you save your documents properly in one of the above formats - do not just rename the file extension. Due to the possibility of computer viruses, McGill does not accept Microsoft Word documents (.doc), hypertext files (.htm, .html), JPG, GIF, or any other format.

2. Ensure that the resolution used is at least 300 dpi (dots per inch) for an electronic replica (scan) of documentation (e.g., a scan of your birth certificate). The preferred file size is 100KB per image.

3. Address your email to legaldocumentation@mcgill.ca and attach your relevant scanned document(s). Attach the file(s) to your email; do not include the documents in the body of your email.

4. Put your First Name, Last Name, and McGill ID number in the subject line of your email.
   Note: Individual email size (including your attachments) should not exceed 5 MB (5120 KB).

By Mail or Courier:
Enrolment Services
Documentation Centre
688 Sherbrooke Street West, Suite 760
Montreal, QC H3A 3R1 CANADA

In Person:
Service Point
3415 McTavish Street
Montreal, Quebec, H3A 1Y1

If there is a problem with your documents, contact:
Telephone: 514-398-7878
Email: http://webforms.mcgill.ca/servicepoint/request.asp?bhcp=1

2.30.1 For the School of Continuing Studies

By Mail or in Person:

Revision, June 2011. Start of revision.

McGill University
The School of Continuing Studies, Client Services Office
688 Sherbrooke Street West
11th Floor
Montreal, QC H3A 3R1

Revision, June 2011. End of revision.

By Fax:
2.31 Identification (ID) Cards

As a student registered at McGill you are required to present an ID card to:

- write examinations.
- use libraries and student services, including certain laboratories.
- access residence buildings.

To receive your ID card you must be a registered student, while also providing your Permanent Code information and proof of legal status in Canada (for a list of acceptable documents, see section 2.27: Legal Documents: What Documents Does McGill Need from You?).

ID cards will not be issued if any of your legal documents are missing.

The Student Identification Card is the property of the University, for use by the cardholder only, and is not transferable. If you withdraw from all of your courses, you must attach your ID card to the withdrawal form or return it to Enrolment Services (or the Faculty of Agricultural and Environmental Sciences, Student Affairs Office, Macdonald Campus).

- New students must be registered for at least one course to obtain an ID card.
- You must allow at least three hours after you have registered before applying for your ID card.
- If you do not register for consecutive terms you should retain your ID card to avoid having to replace it when you re-register.
- If your card has expired there is no charge for a replacement as long as you hand in the ID card.
- If you change programs or faculties there is no charge as long as you hand in the ID card.
- If your card has been lost, stolen or damaged, there is a $25 replacement fee.
- If you need security access to labs or other facilities, see www.mcgill.ca/security/services/access.

2.31.1 ID Card Schedule for the Downtown Campus:

The locations and opening hours of ID card centres can be found on the Student Information website at www.mcgill.ca/students.

Revision, June 2011: Start of Revision.

- Quebec CEGEP students can obtain their ID cards as of June 9, 2011.
- Canadian and International students can obtain their ID cards as of July 27, 2011.

Revision, June 2011: End of Revision.

2.31.2 ID Card Schedule for the Macdonald Campus:

Students can obtain an ID card from:

Revision, June 2011: Start of Revision.

Student Affairs Office, Room 106, Laird Hall
Office hours:
Monday through Friday – 9:00 a.m. to 4:00 p.m.
Friday throughout the summer – 9:00 a.m. to 3:00 p.m.
Closed for the statutory holidays of Friday June 24, and Friday July 1.

Revision, June 2011: End of Revision.

- Quebec CEGEP students (newly registered) can obtain their ID cards as of June 9, 2011.
- Canadian and International Students can obtain their ID cards as of August 1, 2011.

As of Monday, August 29, 2011, you can obtain an ID card from the Macdonald Campus Student Affairs Office during normal office hours.

Revision, June 2011. Start of Revision.
Note for Continuing Studies: You must allow at least 1 day after you have registered before applying for your ID card. You will not be issued an ID card if you have fees owing. You may obtain your ID card at the Client Services Office of the School of Continuing Studies. If you withdraw from all of your courses, you must attach your ID card to the withdrawal form or return it to the Client Services Office of the School of Continuing Studies.

Revision, June 2011. End of Revision.

2.32 Name: Legal Name

This is the name that will appear on your degree, diploma or certificate on graduation, and on your transcript. It is also used by the Quebec Ministère de l'Éducation, du Loisir et du Sport (MELS) to create a Permanent Code.

All students are registered under their legal name as it appears in one of the following documents:

1. Canadian birth certificate.
2. Canadian Immigration Record of Landing (IMM 1000 or IMM 5292 and Permanent Residence card, both sides).
3. Canadian Immigration Study or Work Permit document.
5. International passport (for Canadians, a Canadian citizenship card is required. Note that a Canadian passport is not acceptable).
6. Letter from international student’s consulate or embassy in Canada.
7. Marriage certificate issued outside of Quebec (translated into English or French by a sworn officer if in another language). Note that Quebec marriage certificates are only acceptable if issued prior to 1984.
8. Certificate of Name Change issued by the Quebec Directeur de l’état civil.

In the case of a variation in the spelling of the name among these documents, the University will use the name on the document that appears first on the above list.

Revision, June 2011. Start of Revision.

Note for Continuing Studies: Requests for such changes must be made by presenting official documents (see section 2.32: Name: Legal Name and section 2.33: Name: Preferred First Name) in person at Service Point, 3415 McTavish Street, Montreal, Quebec, H3A 1Y1.

Revision, June 2011. End of Revision.

2.33 Name: Preferred First Name

You can provide a preferred first name on your application for admission or, once admitted, on Minerva (www.mcgill.ca/minerva), under the Personal Menu. From the Personal Menu, select Name Change and you will be able to add/modify this field.

Your preferred first name appears on class lists (in parentheses beside your legal name) for use by instructors. Note that your legal name will continue to appear on your transcript and diploma.

You can request to have your preferred first name display as part of your McGill Email Address by submitting a change to Network and Communication Services via REGGIE (www.mcgill.ca/reggie). For more information, see www.mcgill.ca/student-records/biographical.

Revision, June 2011. Start of Revision.

Note for Continuing Studies: Requests for such changes must be made by presenting official documents (see section 2.32: Name: Legal Name) in person at the Client Services Office, School of Continuing Studies.

Revision, June 2011. End of Revision.

2.34 Name: Verification of Name

You should verify the accuracy of your name on McGill's student records via Minerva (www.mcgill.ca/minerva). To do this, go to Personal Menu > Name Change, where you can make minor corrections such as changing case (upper/lower), adding accents and spacing.

Note that you cannot change the name on your record via Minerva. Requests for such changes must be made by presenting official documents (see section 2.32: Name: Legal Name and section 2.33: Name: Preferred First Name) in person at Service Point, 3415 McTavish Street, Montreal, Quebec, H3A 1Y1.

Revision, June 2011. Start of Revision.

2.35 Email Communication

All students are assigned a McGill Email Address (usually in the form of firstname.lastname@mcgill.ca) and are given a McGill email mailbox. You can view your McGill Email Address and set your McGill Password on Minerva (www.mcgill.ca/minerva), under the Personal Menu.
Email sent to your McGill Email Address is an official means of communication between McGill University and its students. As with all official University communications, it is your responsibility to ensure you read and act upon University emails in a timely fashion. If you choose to forward University email to another email mailbox, it is your responsibility to ensure that the alternate email mailbox is valid.

You should read and familiarize yourself with the Code of Conduct for Users of McGill Computing Facilities and Email Communications with Students policies found under Information Technology on the University Secretariat website at www.mcgill.ca/secretariat/policies/informationtechnology. For more information on email for students, refer to www.mcgill.ca/it and see section 11: For your Information Technology (IT) needs.

Revision, June 2011. Start of revision.

Note for Continuing Studies: The above services are not available if you are registered in short courses or seminars not recorded on the official McGill transcript.

Revision, June 2011. End of revision.

2.36 Updating Personal Information

It is important to keep your official records up to date, especially your mailing or billing address, because these are used by the University year round. If your address information on file is invalid, incomplete or missing, the University will hold your mail. Once you have provided a valid address, the University will resume sending your mail.

You must update your address(es) and/or telephone number(s) and emergency contact information on Minerva (www.mcgill.ca/minerva) under the Personal Menu.

If you are away from campus and do not have access to the internet, you can request changes by writing to your Student Affairs Office or to Service Point. Your written request must include your signature.

If you need to change important personal information that requires the University to verify official documents, such as a name or citizenship change, or correction of your birth date, you must go in person (as soon as possible) to Service Point, 3415 McTavish Street, Montreal, Quebec, H3A 1Y1. Macdonald Campus students can request changes in person at the Student Affairs Office, Laird Hall, Room 106.

Revision, June 2011. Start of Revision.

Note for Continuing Studies: If you need to change important personal information that requires the University to verify official documents, such as a change to your name or citizenship, or correction of your birth date, you must go in person (as soon as possible) to the School of Continuing Studies Client Services Office. Such changes can only be made in person at the School of Continuing Studies, Client Services Office, 688 Sherbrooke Street West, Room 1199.

Revision, June 2011. End of Revision.

2.37 Authorization, Acknowledgement and Consent

When applying for admission to the University, you are bound by and agree to observe all statutes, rules, regulations, and policies at McGill University and the faculty or faculties to which you may be accepted and registered in, including policies contained in the University Calendars and related fee documents. Your obligation as a student begins with your registration and ends in accordance with the University's statutes, rules, regulations, and policies.

You should verify all information or statements provided with your application. Incorrect or false information may jeopardize your admission. The University reserves the right to revoke an admission that is granted based on incorrect or false information in an application or supporting documents.

2.38 Proper Use of Computing Facilities

You must comply with the Policy on the Responsible use of McGill Information Technology Resources as approved by the University Senate. You can find this policy in the listing of University Policies, Procedures and Guidelines under Information Technology, at www.mcgill.ca/secretariat/policies/informationtechnology.

2.39 Non-smoking Policy

Quebec law prohibits smoking in public buildings. For more information, see www.mcgill.ca/adminhandbook/policies/smoking.
2.40 Health Professions - Immunization Requirement

A compulsory immunization program exists at McGill for students in the health professions (including Dietetics), as well as the School of Social Work. If you are a new student in those programs, you must complete the immunization program well before classes begin. You can find further information at www.mcgill.ca/studenthealth/forms or by calling the Student Health Service at 514-398-6017.

2.41 Health Insurance – International Students

By Senate regulation, all international students (full-time, part-time, half-time, additional session, Special, Exchange and Visiting) and their accompanying dependants must participate in the University's compulsory International Student Health Insurance Plan. The University and the Quebec Ministry of Education require a copy of your proof of health insurance on file. You must pick up an International Health Insurance card from Service Point upon your arrival at McGill University.

Students who meet certain criteria may be eligible for an exemption. If you believe you are eligible, you must submit an online exemption request on Minerva and present valid documentation proving eligibility to Service Point before the deadline.

Service Point
3415 McTavish Street
Montreal, Quebec, H3A 1Y1


All inquiries related to this University policy must be directed to International Student Services:

International Health Insurance
Telephone: 514-398-6012
Email: international.health@mcgill.ca
Website: www.mcgill.ca/internationalstudents/health

Revision, June 2011. Start of Revision.

Note for Continuing Studies: If you are registered in the Intensive English and/or the Intensive French programs, you should contact the Client Services Office, School of Continuing Studies, 514-398-6200 for information on health insurance.

Revision, June 2011. End of Revision.

2.42 Health Insurance – Canadian Residents

If you are a Canadian student from outside Quebec, you should check with your provincial medicare office to ensure that you have valid health coverage while studying at McGill.

If you are a Canadian student who has been living abroad, you may not be eligible for provincial health insurance coverage. To ensure adequate health insurance coverage, you may enrol in the group plan offered through International Student Services (www.mcgill.ca/internationalstudents). Please note that this option is available only during the first month of your first semester at McGill.

All undergraduate students who pay tuition fees at either the Canadian or Quebec rates and who are members of the Students' Society of McGill University (SSMU) or the Macdonald Campus Students' Society (MCSS) are automatically covered by their applicable Students' Society's Health and Dental Plans. For details on fees, change of coverage dates and on what is covered by the plans, refer to www.ihaveaplan.ca. If you're not sure of your eligibility, contact the Alliance pour la santé étudiante au Québec (ASEQ) at 514-789-8775 or 1-866 795-4435, Monday to Friday, from 9 a.m. to 5 p.m. (www.aseq.com).

Revision, June 2011. Start of Revision.

Note for Continuing Studies: As a Continuing Studies student, you are not a member of SSMU or MCSS. Therefore, the coverage of the Students' Society’s Health and Dental Plans is not applicable.

Revision, June 2011. End of Revision.

Revision, August 2011. Start of Revision.

Note for Graduate and Postdoctoral Studies: Graduate students classed as Canadian full-time or Additional Session/Thesis Evaluation/Non-Thesis Extension as well as all postdoctoral candidates are automatically covered by their society's Health and Dental Plan (PGSS). Students without valid Canadian Medicare, please see section 2.41: Health Insurance – International Students. In 2011-2012, this plan costs $651 (single coverage).
Students not charged during the Fall term for insurance fees can choose to enrol directly at the PGSS office during the January adjustment period. For details on what is covered by this plan as well as opt-out procedures, please refer to the information contained at http://pgss.mcgill.ca.

Revision, August 2011. End of Revision.

### 2.43 Special Medical Needs

If you have special medical needs, have your physician submit appropriate information, on a confidential basis, directly to the Student Health Service; see section 3.2: Student Services – Downtown Campus (www.mcgill.ca/studenthealth/clinic) for contact information on the Downtown Campus, and see www.mcgill.ca/macdonald-studentservices/our-services/student-health-service for Macdonald Campus.

### 2.44 Minerva

Minerva is McGill’s web-based information system serving applicants, students, staff and faculty. To access Minerva, go to www.mcgill.ca/minerva and login. Once logged in, you can:

- Apply to McGill and view your application status.
- View class schedules, including course descriptions and spaces available in course sections.
- Register and make course changes.
- Change your major or minor program (not all faculties).
- View your unofficial transcript and degree evaluation reports.
- View your McGill login information to access the internet and email.
- View your Permanent Code, citizenship and Quebec residency status and fee information.
- Update personal information such as address, telephone number and emergency contacts.
- Submit an online course evaluation.
- Submit an application to participate in an exchange program (not all faculties).
- Apply to graduate.
- View graduation status and convocation details.
- Order official transcripts.
- Retrieve tax receipts.

For information on logging-in to the Minerva website, visit our IT Services website at www.mcgill.ca/it and select Logsins and Passwords.

### 2.45 myMcGill

McGill’s portal, myMcGill, gives students and staff a personalized interface to the University’s information systems. myMcGill is a collection of useful links and offers an integrated web experience with a single sign-on (SSO) to several McGill web systems. This allows you to access multiple McGill systems without being prompted for additional logins.

Systems that you can access through the portal are:

- Athletics
- Classroom A/V
- Exchange (email)
- Famis
- Gateway (www.mcgill.ca)
- InfoEd
- Library
- Minerva
- myCourses (WebCT)
- myFuture
- myLab
To log into myMcGill, click the myMcGill tab at the top-right corner of the McGill homepage (www.mcgill.ca) or go to https://my.mcgill.ca.

2.46 Service Point

Service Point has brought together newly-integrated, front-line Undergraduate and Graduate student administrative services. Located on the ground floor of the McLennan Library Building in the heart of the downtown campus, Service Point will address a wide variety of students' needs.

Among the many services offered at Service Point for Undergraduate & Graduate students:

- certified or translated copies of diplomas
- degree verification
- help with admissions
- help with Minerva
- international health insurance cards & exemptions
- McGill ID cards
- official transcript pick-up
- replacement diplomas
- student exchanges/study abroad
- submitting legal documents
- tuition & fees info
- pick-up of alternative US Loans

Arts or Science students will also be able to inquire about:

- course & program registration
- exams (including deferred and supplemental)

For a complete list of student services and resources at McGill, see www.mcgill.ca/students.

For more information about Service Point, see www.mcgill.ca/students/servicepoint.

Service Point Location

3415 McTavish Street (corner Sherbrooke)
Montreal, QC
H3A 1Y1

Opening hours:
Monday to Friday, 9:30 a.m. - 5:00 p.m.
Telephone: 514-398-7878

3 Student Services and Information

McGill offers a full range of student services and resources that support your life, learning, personal, and academic achievements.

3.1 Student Rights and Responsibilities

Revision, June 2011. Start of revision.

The Handbook on Student Rights and Responsibilities is produced jointly by the Office of the Dean of Students and the University Secretariat. It contains regulations and policies governing your rights and responsibilities as a student at McGill, and is available to you electronically at www.mcgill.ca/secretariat/policies/students.

To find out more about this topic see: www.mcgill.ca/students/srr/.

Revision, June 2011. End of revision.
3.1.1 Support for Students: Office of the Dean of Students

The Dean and the Associate Dean of Students coordinate and promote initiatives concerned with important aspects of the student experience, such as advising, academic integrity, student discipline, student recognition programs, and outreach to families, the McGill community and the broader local community.

William and Mary Brown Student Services Building
3600 McTavish Street, Suite 4100
Montreal, QC H3A 1Y2

For information, contact (Dean/Associate Dean):

- Telephone: 514-398-4990
- Email: deanofstudents@mcgill.ca
- Website: www.mcgill.ca/deanofstudents

3.1.2 Office of the Executive Director, Services for Students

William and Mary Brown Student Services Building
3600 McTavish Street, Suite 4100
Montreal, QC H3A 1Y2

For information, contact:

- Telephone: 514-398-3825
- Website: www.mcgill.ca/studentservices

The Executive Director, Services for Students (EDSS), coordinates all student services at McGill to help promote student success and well-being. The EDSS is available to provide assistance and/or information on almost all aspects of non-academic student life. Concerns of an academic nature are directed to the proper individual, office or department. Funding is also available for projects, initiated by students and/or staff, that enhance student life and learning.

3.2 Student Services – Downtown Campus

Unless otherwise indicated, all Student Services on the Downtown Campus are located in the William and Mary Brown Student Services Building, 3600 McTavish Street, Montreal, Quebec, H3A 1Y2.

A list of services available is given below. For further information, see the Student Services website: www.mcgill.ca/studentservices.

**Student Services:**

- Brown Student Services Building, suite 4100
  3600 McTavish Street
  Montreal, Quebec, H3A 1Y2
  General Information: 514-398-8238
  Website: www.mcgill.ca/studentservices

**Career Planning Service (CaPS):** Provides career education, guidance, and individual advising to help you in your search for permanent, part-time, or summer jobs and internships.

- Brown Student Services Building, Suite 2200
  Telephone: 514-398-3304
  Email: careers.caps@mcgill.ca
  Website: www.mcgill.ca/caps

**Chaplaincy Service:** Concerned with the spiritual and mental well-being of all students.

- Brown Student Services Building, Suite 4400
  Telephone: 514-398-4104
  Email: chaplaincy@mcgill.ca
  Website: www.mcgill.ca/chaplaincy

**Counselling Service:** Assists with psychological, emotional, and interpersonal issues as well as vocational and academic concerns.

- Brown Student Services Building, Suite 4200
First Peoples' House: Fosters a sense of community for Aboriginal students studying at McGill.

3505 Peel Street
Telephone: 514-398-3217
Email: firstpeopleshouse@mcgill.ca
Website: www.mcgill.ca/fph

First-Year Office: Helps ease the transition of all students new to McGill. Coordinates "Discover McGill," a one-day, campus-wide University and faculty orientation.

Brown Student Services Building, Suite 2100
Telephone: 514-398-6913
Email: firstyear@mcgill.ca
Website: www.mcgill.ca/firstyear

Health Services and Dental Clinic: Provides access to experienced physicians, nurses and health educators who offer health services and information in a confidential atmosphere. Also operates a laboratory offering a wide array of testing, and a dental clinic.

Brown Student Services Building, Suite 3300
Telephone: 514-398-6017
Website: www.mcgill.ca/studenthealth

International Student Services: Offers support to international students on non-academic matters (immigration, health insurance, etc.), runs a Buddy Program and an orientation program.

Brown Student Services Building, Suite 3215
Telephone: 514-398-4349
Email: international.students@mcgill.ca
Website: www.mcgill.ca/internationalstudents

Mental Health Service: A psychiatric clinic that offers easily accessible treatment for mental health problems.

Brown Student Services Building, Suite 5500
Telephone: 514-398-6019
Website: www.mcgill.ca/mentalhealth

Scholarships and Student (Financial) Aid Office: Provides assistance in the form of loans, bursaries, and Work Study programs to students requiring financial aid.

Brown Student Services Building, Suite 3200
General Information: 514-398-6013/6014
Telephone: 514-398-4807 (Scholarships)
Email: student.aid@mcgill.ca
Website: www.mcgill.ca/studentaid

Office for Students with Disabilities: Coordinates services to meet the needs of students with disabilities.

Brown Student Services Building, Suite 3100
Telephone: 514-398-6009
TDD: 514-398-8198
Email: disabilities.students@mcgill.ca
Website: www.mcgill.ca/osd

Tutorial Service: Sponsors an extensive tutorial program for students.

Brown Student Services Building, Suite 4200
 Telephone: 514-398-6011
Email: tutoring.service@mcgill.ca
Website: www.mcgill.ca/tutoring
3.3 Student Services – Macdonald Campus

Student Services at the Macdonald Campus offers a range of non-academic services. All Student Services, whether at the Macdonald or Downtown campus, fall under the direction of the Office of the Executive Director, Services for Students. For detailed information, please visit our website at www.mcgill.ca/macdonald-studentservices, and the main Student Services website: www.mcgill.ca/studentservices.

Macdonald Campus Student Services Office
Centennial Centre, Room CC1-124
21,111 Lakeshore Road
Telephone: 514-398-7992
Fax: 514-398-7610
Email: stuserv.macdonald@mcgill.ca

Career Planning Service (CaPS): Assists you in your career development and search for permanent, part-time, and summer jobs by providing workshops, individual advising, a comprehensive job posting service, Career Fairs and a Career Resource Centre.

Telephone: 514-398-7582
Website: www.mcgill.ca/caps
Email: caps.macdonald@mcgill.ca

Counselling Service: Offers confidential counselling for personal, social, emotional, vocational and academic issues, among others. Appointments are required.

Telephone: 514-398-7992

Health Service: Offers health services in a confidential environment for a variety of health-related issues including general checkups, STI testing as well as routine and travel vaccinations. Appointments are available with our Nurse and Doctor.

Telephone: 514-398-7992

Off-Campus Housing: Maintains online listings of available off-campus student housing. McGill ID and Minerva PIN required to access the listings.

Telephone: 514-398-7992
Website: www.mcgill.ca/offcampus

Student (Financial) Aid Office: Information and assistance is available for all students concerning government aid programs (includes all Canadian provinces), McGill Loans and Bursaries, and the Work Study Program. A Loan Administrator visits the centre every Wednesday to help students with specific financial concerns.

Telephone: 514-398-7992

Chaplaincy Service: Offers two support programs: The Winter Coat Project provides students with slightly used winter jackets and accessories. The McGill Student Parents’ Network (MSPN) provides support for students with children, to help them succeed in their studies.

The Centennial Centre also provides international students with their mandatory Blue Cross Health Insurance cards, and coordinates midterm examinations for students registered with the Office for Students with Disabilities.

3.4 Residential Facilities

McGill Residences offers you a variety of accommodations that reflect the diversity of our student population on both the downtown and Macdonald campuses.

Mission statement

To continuously develop a safe home and nurturing community for our students through the following means:

• Keeping the value of Respect for ourselves, others, and the physical environment as our cornerstone
• Making environmentally and economically sustainable choices
• Being responsive to student needs and supporting student initiatives
• Maintaining open lines of communication and collaborative decision-making
• Working together to provide a comfortable, clean and secure environment
• Keeping current with developing technology, practices, and professional development
• Maintaining integrity and accountability
• Thinking critically about what we do and having the courage to change
• Honouring our rich history and strong residence tradition
3.4.1 Graduate Housing – Downtown

Graduate Housing
Student Housing Office, Room 7
3641 University Street
Montreal, QC H3A 2B3
Telephone: 514-398-6050
Fax: 514-398-4457
Email: grad.housing@mcgill.ca
Website: www.mcgill.ca/residences/graduate

McGill University offers two main types of housing for graduate students: single-occupancy apartments and single bedrooms in houses with shared facilities. No family housing is available. Only a limited number of graduate spaces are available. Out of 215 spaces, approximately 70 become vacant annually. Availability is on a first-come, first-served basis, and you must be admitted or recommended for admission to be considered. To apply, indicate “Yes” in the housing request area of your McGill application and check Minerva for updates in your housing status.

Occupancy of graduate housing is from September 1, 2010 to July 31, 2011 or from January 1, 2011 to July 31, 2011.

3.4.1.1 Single-Occupancy Apartments

Graduate housing includes a 7-story apartment block and three small apartment buildings. All are located within a short walking distance of the main campus. Each apartment has its own bathroom and kitchen with refrigerator, stove, dining table and chairs. Other furnishings include: a single-sized bed and mattress, desk and study chair, dresser, bookshelf, night table, and vertical blinds (furnishings may vary depending on room size). Electricity, hot water and heating are included in the rent. Apartments are wired for private phone lines and internet service. Phone and internet service is not included in the rent and must be arranged through McGill's REZ Voice and Data Service.

3.4.1.2 Shared-Facilities Housing

There is a variety of graduate housing with shared facilities. For example, students can live in a former coach house of one of the largest mansions in Montreal's “Golden Square Mile” or a number of brownstone mansions featuring wood paneling, decorative moldings and elaborate ornamental fireplaces. This type of housing offers graduate students the privacy of their own bedroom along with the benefits of communal living such as large kitchens and common rooms where housemates gather to dine and watch TV.

McGill offers all-female, all-male and co-ed graduate accommodation.

3.4.2 University Residences – Macdonald Campus

Campus Housing Office
P.O. Box 188
Macdonald Campus of McGill University
Sainte-Anne-de-Bellevue, QC H9X 3V9
Telephone: 514-398-7716
Fax: 514-398-7953
Email: residences.macdonald@mcgill.ca
Website: www.mcgill.ca/macdonald-residences

Residence life is an integral part of Macdonald campus activities. Laird Hall, with a capacity of 250 students, is a co-ed residence that provides accommodation for undergraduate, graduate, and Farm Management Technology students. Residents enjoy comfortable rooms, modern kitchens, cozy lounge facilities, and other amenities that help make their residence life a complete and meaningful part of their university experience. All dorm rooms have telephone and high-speed network access services, which are available at extra cost.

The EcoResidence accommodates 100 students. This residence will appeal to students who enjoy independent living in self-contained, fully furnished apartments of two or six single-bedroom units. Units are split-level with large, airy common living areas.

3.4.2.1 Residence Fees – Macdonald Campus

Residence fees are paid separately from tuition, in accordance with regulations of the Fee Payment Option selected at the time of signing a Residence Lease. The residence fees for the 2010-2011 session had not been set at the time this publication was finalized. The 2009-2010 session rates for Laird Hall were: $2,640 (double occupancy) and $2,920 (single occupancy). Rates for the EcoResidence varied from $420 to $430 per month. An updated fee sheet will be available on the Macdonald residence website at: www.mcgill.ca/macdonald-residences.

There is no meal plan offered on the Macdonald Campus. Students may purchase a Commuter meal plan. Refer to www.mcgill.ca/foodservices/plans2010 for additional information. Meals are also available on a cash basis from the Link Café, located on the ground floor between the Macdonald-Stewart Building and Barton Library. The Link Café is open for breakfast and lunch during week days only. For budgeting purposes, the cost of meals per session is approximately $3,200.
3.4.2.2 Residence Occupancy – Macdonald Campus

The residence fees cover the period from August 22, 2010 to May 1, 2011. You must vacate your room at the end of the lease term. Only under exceptional circumstances will you be granted permission to arrive prior to the beginning date of the lease or remain in residence during the summer months. In these cases, you must apply to the Campus Housing Office; an additional fee will be charged if permission is granted. You can request permission to extend your stay in residence (at the normal weekly charge) if you are taking extended courses after the regular session, employed on campus, or registered for summer courses.

In exceptional circumstances, international students or students coming from a distance may be admitted early. Permission from the Campus Housing Office must be obtained prior to arrival. Student Monitors may be admitted before the opening date of courses, if permission is granted by the Campus Housing Office.

Note for Graduate and Postdococtoral Studies: Graduate students sign a 12-month lease.

3.4.2.3 Facilities for Non-Resident Students – Macdonald Campus

The Centennial Centre features common rooms for studying. Lockers are available in the Macdonald-Stewart Building. You can rent them at the Students’ Society Office in Centennial Centre. The Link Café is located on the ground floor between the Macdonald-Stewart Building and Barton Library and is open Monday through Thursday 8:00 a.m. to 8:00 p.m. and Friday 8:00 a.m. to 3:30 p.m. The Link Café is not open Saturdays, Sundays, or holidays designated by the University.

Note: Non-resident students cannot stay overnight in any residence without permission of the Campus Housing Office.

3.4.2.4 Student Parking – Macdonald Campus

Parking permits are available from Macdonald Campus Security, Room 101 Laird Hall. A parking decal is $165 for one year and $99 for one semester and can be picked up Monday to Friday from 8:15 a.m. to 3:40 p.m.

Daily passes for students are $3 and can be purchased from the parking meter located in the Upper East Gravel lot. The meter is coin-operated and exact change is required. All students obtaining a daily pass must park in the Horticulture lot, east of the Highway 20 overpass. If you are not sure of the location, you can pick up a map from the Campus Security office in Laird Hall. For more information, see www.mcgill.ca/transport/parking/mac.

3.5 Athletics & Recreation

3.5.1 Downtown Campus

3.5.1.1 Department of Athletics & Recreation

Offers a wide range of facilities, activities, and equipment. Facilities include a gymnasium, fully-equipped fitness centre, varsity weight room, pool, arena, Fieldhouse, stadium, indoor & outdoor running tracks and tennis courts, squash & racquetball courts, spinning, dance & martial arts studios, and various playing fields.

McGill students can participate in instructional, recreational, intramural and intercollegiate activities, as well as sports clubs. There are nominal fees for instructional courses and membership to the Fitness Centre.

McGill Sports Complex
475 Pine Avenue West
Telephone: 514-398-7000
Email: perry.karnofsky@mcgill.ca (recreational sports) or lisen.moore@mcgill.ca (intercollegiate sports)
Website: www.mcgill.ca/athletics
Mobile Website: m.athletics.mcgill.ca
Facebook: www.facebook.com/mcgillathleticsandrecreation
Twitter: www.twitter.com/McGillAthletics

3.5.2 Macdonald Campus

3.5.2.1 Athletics & Recreation

Offers a wide range of facilities, activities, and equipment, free of charge. Facilities include a gymnasium, weight room (with fitness trainers on hand four evenings per week), arena, tennis courts, playing fields and large expanses of green space. Students can participate in instructional, recreational, intramural and intercollegiate activities. There are nominal fees for instructional courses.
Athletics offices are located in the Stewart Athletic Complex, just west of the Centennial Centre.

Stewart Athletic Complex
Telephone: 514-398-7789
Website: www.macdonaldcampusathletics.mcgill.ca

### 3.6 Ombudsperson for Students

The Office of the Ombudsperson for students offers confidential, informal, independent, and neutral dispute resolution services to all members of the student community by providing information, advice, intervention and referrals.

The mandate of the Ombudsperson at McGill University is to intervene at the beginning of the complaint process, and to attempt to resolve issues informally before they proceed to more formal processes. To learn more about the role and scope of the Ombudsperson for Students, visit the University Secretariat website at: [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students) to consult the mandate of the Office of the Ombudsperson for Students.

Office of the Ombudsperson
3610 McTavish (above Dr. Penfield)
Main Floor, Suite 14
Telephone: 514-398-7059 (for an appointment)
Website: [www.mcgill.ca/ombudsperson](http://www.mcgill.ca/ombudsperson)

### 3.7 Extra-Curricular Activities

Revision, August 2011. Start of revision.

There are over 250 activities, clubs and services that students may join. These include international clubs; religious groups; political clubs; communications groups such as Radio McGill (CKUT), the McGill Tribune, and the McGill Daily; and some 50 miscellaneous groups (e.g., science clubs; literary, theatrical and musical societies; a chess club; and the McGill Outdoors Club).

Revision, August 2011. End of revision.

The University Centre, 3480 McTavish Street, provides club rooms for these activities in a four-storey building with cafeterias, a ballroom, lounges and an experimental theatre. Activities for graduate students are centred in David Thomson House at 3650 McTavish Street. On the Macdonald Campus, facilities are located in the Centennial Centre. Refer to [Faculty of Agricultural and Environmental Sciences](#) in this publication.

### 3.8 Bookstore

The McGill University Bookstore stocks new and used textbooks, a full range of books for the academic and professional community, stationery supplies, and McGill insignia clothing and gift items. Visit the Bookstore website or in person to sign up for email reminders so you are the first to know about services such as used textbook buy-back and other events.

3420 McTavish Street
Telephone: 514-398-7444
Website: [www.mcgill.ca/bookstore](http://www.mcgill.ca/bookstore)

Macdonald Bookstore
Centennial Centre
Telephone: 514-398-8300
Website: [www.macstudents.ca/index.php?pg=bookstore](http://www.macstudents.ca/index.php?pg=bookstore)

### 3.9 Computer Store

The McGill Computer Store, located on the second floor of the University Bookstore, sells a full range of computer hardware, software, peripherals and consumer electronics at educational prices.

3420 McTavish Street
Telephone: 514-398-5025
Email: sales.mcs@mcgill.ca
Website: [www.mcgill.ca/mcs](http://www.mcgill.ca/mcs)
3.10 Day Care

The McGill Childcare Centre is an independently run centre that can accommodate 106 children, ranging in age from four months to four years. Early application is required as placement is limited, especially for certain age groups.

The Centre is located at:

3491 Peel Street
Montreal, Quebec H3A 1W7
Telephone: 514-398-6943
Website: www.mcgill.ca/daycare

A Campus Day Care Centre, located adjacent to the Macdonald Campus, is an independently run centre that can accommodate approximately 60 children, ranging in age from four months to five years. Preference is given to the Macdonald Campus community. Early application is recommended.

The Centre is located at:

1 Maple Avenue
Ste.-Anne-de-Bellevue, Quebec H9X 2E3
Telephone: 514-398-7951

4 Fees

Revision, August 2011. Start of revision.

The information in this publication was updated in early August 2011. The University reserves the right to make changes without notice in the published scale of fees.

Further information regarding fees can be found on the Student Accounts website: www.mcgill.ca/student-accounts.

For information on financial support, see: Scholarships and Student Aid.

Revision, August 2011. End of revision.

4.1 Access to Fee Information

You can view your Account Summary by Term on Minerva. The Fall 2011 term fees will be accessible as of August 1.

4.2 Tuition Fees

Revision, August 2011. Start of revision.

Tuition rates are subject to change each academic year. Please access the Schedule of Fees at www.mcgill.ca/student-accounts. The 2011-2012 schedule of fees is updated as soon as the rates are known.

Revision, August 2011. End of revision.

4.2.1 Quebec Students and Non-Quebec Students (Canadian or Permanent Resident)

Revision, August 2011. Start of revision.

In accordance with provincial government requirements, students must provide proof that they qualify for assessment of fees at the Quebec or non-Quebec Canadian rates; see www.mcgill.ca/legaldocuments for details. In certain cases, non-Quebec Canadian students pay the same rate of tuition as Quebec students – for further information about these exceptions, see the Student Accounts website under Tuition and Fees > General Information.

Note: Students who are required to submit appropriate documentation and do not do so by the stipulated deadlines (December 1st - Fall; April 1st - Winter) are billed at the non-Quebec Canadian or the international rate, depending on the documentation submitted. Should your tuition status be changed during the evaluation period, any late payment and/or interest charges accumulated on the difference between the Quebec and Canadian tuition rates will also be waived.

Revision, August 2011. End of revision.
4.2.2 International Students

Exemption from International Tuition Fees may be claimed by students in certain categories. Such students, if eligible, are then assessed at the Quebec student rate (certain categories may be assessed at the Canadian tuition rate). These categories and the required supporting documentation for each of them may be viewed at www.mcgill.ca/legaldocuments. Further information regarding these reductions of International Tuition Fees by the Quebec government is available on the Student Accounts website (www.mcgill.ca/student-accounts) under Tuition and Fees – General Information.

MIDAs Program

The MIDAs program is being phased out in favour of a graduate funding mechanism that allows for the development of funding programs at the Faculty level. The MIDAs program accepted its last cohort of students in the Winter 2011 semester. International Ph.D. students currently receiving the MIDAs have been grandfathered in the program and will continue to receive the MIDAs as long as they maintain their eligibility. For more information, please consult the Graduate and Postdoctoral Studies website at: www.mcgill.ca/gps/students/fellowships/information.

For more information concerning Fee Exemptions, please contact Service Point at www.mcgill.ca/students/records/contact.

4.2.3 Tuition Assistance for McGill Staff

McGill staff may be entitled to a tuition waiver equivalent to 100% of the portion of eligible tuition fees. For complete details, refer to the policies and procedures found at www.mcgill.ca/benefits/forms. Here you can complete an online request form as you register. Should you not successfully complete the courses as detailed in the policy, the exemption will be cancelled and you will be required to pay these fees according to regular payment deadlines.

4.2.4 Staff Dependent Waivers

Students who are dependents of staff members or pensioners may qualify for a fee reduction. You may download the application form from www.mcgill.ca/benefits/forms and forward the completed form to Enrolment Services.

Revision, June 2011. Start of revision.

Note for Continuing Studies Students: This form can also be forwarded to the Client Services Office of the School of Continuing Studies as appropriate.

Revision, June 2011. End of revision.

The fee reduction will be credited to your McGill fee account once eligibility has been confirmed and all appropriate signatures have been obtained. This fee reduction will be reflected in a T4A slip issued in February by the University.

For more information, refer to the MUNACA Collective Agreement, or the Staff Dependent Policy at www.mcgill.ca/adminhandbook/personnel/stafftuition.

4.3 Documentation

For more information on documentation, see University Regulations and Resources > section 2.26: Legal Documents: Why Does McGill Collect Legal Documents from You?.

4.4 Compulsory Fees

Rates are updated and available on the Student Accounts website, www.mcgill.ca/student-accounts, as soon as they become available.

4.4.1 Student Services Fees

Student Services fees are governed by the Senate Committee on the Coordination of Student Services, a parity committee composed equally of students and University staff.

These fees are complemented by revenue from the Quebec government, the University, and numerous generous donors, to support the following programs and services: Student Health (including Dental), Mental Health, Counselling and Tutorial, Chaplaincy, Career Planning (CaPS), Student Aid and International Student Services, the Office for Students with Disabilities, First-Year Office (including the Francophone Assistant), Off-Campus Housing, and the First Peoples' House.

4.4.2 Athletics and Recreation Fee

The Athletics and Recreation fee supports programs offered on the downtown and Macdonald campuses. The fee provides access to most athletics facilities, however registration to fitness and recreation courses, intramural sports, pay-as-you-go programs or the Fitness Centre carries a supplemental charge. Please consult the Athletics and Recreation website at www.mcgill.ca/athletics for further information.
### 4.4.3 Student Society Fees

Student Society fees are collected on behalf of student organizations and are compulsory. These fees must be approved by the student body through fee referenda according to the constitutional rules of the association or society. Students vote on changes to Student Society fees during the Spring referendum period. Graduate Students with the following classifications: Full-time, Additional Session, Non-thesis Extension, or Thesis Evaluation are covered by the PGSS Health and Dental Plan. Postdoctoral candidates are also covered. International students are charged only the Dental portion of the plan as they are required to participate in the University’s comprehensive and compulsory International Health Insurance plan. For more information, please contact International Student Services: 514-398-6012.

Rates for the current year may be found at [www.mcgill.ca/student-accounts/insurance](http://www.mcgill.ca/student-accounts/insurance).

### 4.5 Administrative Charges

The University charges a number of administrative fees to students which include:

- **Registration Charge** - All students in courses and programs are assessed a registration fee.
- **Information Technology Charge** - The purpose of the information technology fee is to enhance certain technology services provided to students as well as to provide training and support to students in the use of new technology.
- **Transcripts and Diploma Charge** - The University charges a transcripts and diploma fee to all students which entitles you to order transcripts free of charge as well as covers the costs of your graduation.
- **Copyright Fee** - All students in courses and programs are charged the copyright fee which covers the cost of the annual fee that all Quebec universities are required to pay to Copibec (a consortium that protects the interests of authors and editors) for the right to photocopy materials protected by copyright.

**Revision, August 2011. Start of revision.**

General Administrative Charge - As per the Quebec government’s regulation on administrative fee increases, students are assessed $15.00 in the Summer term and a total of $30.00 for the Fall and Winter terms to cover indexation for the Registration Charge, the Information Technology Charge, Transcripts and Diploma Charge, and the Copyright Fee. A portion of this amount (up to $3.00 per year) is directed to Athletics. As a result, students may see a decrease in their General Administrative Charge to take into account their additional contribution to Athletics.

**Revision, August 2011. End of revision.**

You may access the schedule of fees on [www.mcgill.ca/student-accounts](http://www.mcgill.ca/student-accounts).

### 4.6 Other Fees

#### Other Fees

**Revision, August 2011. Start of revision.**

International Student Health and Accident Plan (compulsory, rates as of 2011-2012)

<table>
<thead>
<tr>
<th>Plan Description</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single</td>
<td>$651</td>
</tr>
<tr>
<td>Dependent (one student with one dependent)</td>
<td>$1,869</td>
</tr>
<tr>
<td>Family (one student with two or more dependents)</td>
<td>$3,549</td>
</tr>
</tbody>
</table>

**Revision, August 2011. End of revision.**

Application for Admission

- Undergraduate programs*
  
  Students applying for Fall 2011 $85
Other Fees

Students applying as of Winter 2012

$100

* Note that for registered students, the Undergraduate Application Fee is partially refunded at the end of the first term as follows:
  Students applying prior to and including Fall 2011: $25 (CEGEP applicants) or $5 (all non-CEGEP applicants).
  Students applying as of Winter 2012: $40 (CEGEP applicants) or $20 (all non-CEGEP applicants).

Revision, August 2011. Start of revision.

Undergraduate Admission appeals charge

$100

All Graduate programs***

$100

Revision, August 2011. End of revision.

Late Registration

After regular registration deadline:

All eligible returning students, except Special students and Graduate part-time and additional session students.

$100

Special students and Graduate part-time and additional session students.

$50

As of the second day of classes:

All students except Special students and Graduate part-time and additional session students.

$150

Special students and Graduate part-time and additional session students.

$75

Late Course Change Fee

$50

Registration Cancellation Fee upon withdrawal (or if newly admitted students, the deposit)

$200

Rereading Examination Paper (refundable if the letter grade is increased)

$35

Supplemental Examinations, each written paper

$35

Duplicate ID Card

$25

Late Payment charged on balances > $100 as of the end of October (end of February for the Winter term)

$50

Interest on outstanding balances (rate determined in February, to be applicable on June 1, is 1.24% monthly or 14.88% annually)
## Other Fees

Returned cheque or Pre-Authorized Debit payment **

** Please note that the $35 fee for returned cheques and pre-authorized debit payments is in addition to the value of the amount debited for the returned item in question. For transactions in Canadian dollars, the amount debited is the same as the amount paid. For transactions in other currencies, including pre-authorized debit payments in US dollars, accounts will be debited at the exchange rate charged by the bank to the University. This sometimes represents a significant difference from the amount originally paid, depending on the rate of exchange on the date of the return.

Cheque Refund charge:

- on balances less than $100: $5
- on balances $100 and over: $10

### Schulich School of Music Fees:

- **Audition Fee**: $60
- **Late Music Placement Examination Fee**: $50
- **Late application fee for Music Performance examination (requires the permission of the Chair of the Department of Performance)**: $50
- **Supplemental Practical Examination in Music**: $150
- **Music Private Lessons Fee (MUIN, MUPG subject code courses)**: $500
- **Music Practical Instruction: part-time or Special student status, or 2nd instrument or voice, or in excess of quota; 1 hr/wk lessons**: $785
- **Music Practical Instruction: part-time or Special student status, or in excess of quota; 1.5 hr/wk lessons (Artist Diploma)**: $1,175
- **Music Practical Instruction: Special student status; Opera Studio**: $680
- **Music Practical Instruction: part-time or Special status, or in excess of quota; Voice Coaching**: $550

Reinstatement penalty: $150 (see *Cancellation for Non-Payment in section 4.9: Other Policies Related to Fees: Overdue Accounts*).

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**Revision, August 2011. Start of Revision.**

### Note for Graduate and Postdoctoral Studies:

*** All students making application to Graduate and Postdoctoral Studies are required to pay this fee, including those already registered at McGill. If a department or an applicant defers an admission within the following year, the application fee need not be paid again.
Billings and Due Dates

Confirmation of Acceptance Deposit

In certain graduate departments, you are required to make a deposit on tuition shortly after receiving notice of your acceptance to the University. You will be required to confirm your acceptance of the offer of admission on www.mcgill.ca/applying/knowingstatus and pay the required deposit by credit card (Visa or Mastercard) at that time.

Invoicing of Fees

Fees are assessed on a term by term basis. Electronic billing is the official means of delivering fee statements to all McGill students. Your e-bill includes all charges to your account, including tuition, fees, health insurance and other charges. The University generally produces e-bills at the beginning of the month and sends an email notification to your official McGill email address stating that your e-bill is available for viewing on Minerva. Charges or payments that occur after the statement date appear on the next month’s statement, but you can view them immediately on the Account Summary by Term under the Student Accounts Menu on Minerva (this is the online dynamic account balance view).

Failure to check email on a regular basis in no way warrants the cancellation of interest charges and/or late payment fees. Refer to the Student Accounts website at www.mcgill.ca/student-accounts for information on payment due dates.

<table>
<thead>
<tr>
<th>Term</th>
<th>Payment Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall term</td>
<td></td>
</tr>
<tr>
<td>Returning students</td>
<td>August 31, 2011</td>
</tr>
<tr>
<td>Students new to the University in Fall</td>
<td>September 30, 2011</td>
</tr>
<tr>
<td>Winter Term</td>
<td></td>
</tr>
<tr>
<td>Returning students</td>
<td>January 5, 2012</td>
</tr>
<tr>
<td>Students new to the University in Winter</td>
<td>January 31, 2012</td>
</tr>
</tbody>
</table>

Late Payment Fees: If you have an outstanding balance greater than $100 on your account on October 31 (February 29 for the Winter term), you are charged a late payment fee of $50 over and above interest.

4.7.1 Billings and Due Dates: Guest Access on Minerva

You may choose to give access privileges to a guest on Minerva. These privileges include viewing e-bills/account summaries, tax receipts and e-payment. The www.mcgill.ca/student-accounts web page describes how to set up this access. You must provide certain information about the individual you wish to grant access to your fee-related information. The guest will be contacted by email and provided with a link to use within a designated time period.

You can cancel guest access privileges at any time.

Note that Service Point staff may respond to questions from your authorized guest regarding the information to which they have been given access.

If you do not want to give a guest access privileges to Minerva, you can enter an alternative student billing email address on Minerva to which Student Accounts will send a copy of the monthly e-bill notification. However, if someone has been granted access as a guest and their guest email is the same as a student billing email address, the University will deactivate the student billing email address in order to only notify your guest about the billings once.

You should NOT share your PIN (personal identification number) with anyone, including a guest on Minerva. Guest Access allows your guest to view your account information without knowing your PIN.

4.8 Fees and Withdrawal from the University

If you decide not to attend the term(s) in which you are registered, you must officially withdraw from the University in accordance with section 2.8: Regulations Concerning University Withdrawal. Otherwise, you are liable for all applicable tuition and other fees.

If you use Minerva to drop your last course between September 1 (January 1 for the Winter term) and the end of the withdrawal period with full refund, you will be deemed withdrawn from the University. You are automatically charged a registration cancellation fee of $200 (or your registration deposit fee, whichever is higher) to cover administrative costs of registration.

If you stop attending classes without dropping your courses, you are liable for all applicable tuition and other fees. See section 2.8: Regulations Concerning University Withdrawal.
4.8.1  Fee Refund Deadlines

The deadline dates for course refunds are independent of the deadline dates given for withdrawal from courses.

Revision, August 2011. Start of revision.

Note for Graduate and Postdoctoral Studies: See the section 2.2.3: Summer Registration section of the Graduate and Postdoctoral Studies Programs, Courses and University Regulations publication for information about fee refund after withdrawal from a Summer Term of Residence for newly-admitted graduate students only.

Revision, August 2011. End of revision.

4.8.1.1  Fall Term – up to and including September 20:

Returning students – 100%* refund (less registration cancellation fee of $200 in the case of complete withdrawal).

New students – 100%* refund (less registration deposit or $200, whichever is higher).

4.8.1.2  Fall Term – after September 20:

No refund.

4.8.1.3  Winter Term – up to and including January 31:

Returning students – 100%* refund (less registration cancellation fee of $200 in the case of complete withdrawal).

New students – 100%* refund (less registration deposit or $200, whichever is higher).

Revision, August 2011. End of revision.

4.8.1.4  Winter Term – after January 31:

No refund.

* Includes tuition and compulsory student fees

If you want to discuss the refund policy applicable to a special case, contact your faculty Student Affairs Office (Associate Dean or Director).

Revision, August 2011. End of revision.

4.8.2  Refund Procedures

You are not automatically refunded your credit balance as many students choose to keep the balance on account for use for a future term. You may however request your credit balance to be refunded at any time, after the course withdrawal with full refund period has passed. For directions on requesting your refund online in Minerva, see www.mcgill.ca/student-accounts.

4.9  Other Policies Related to Fees: Overdue Accounts

All tuition and fees assessed by the University must be paid in full or arrangements must be made to settle the debt.

Students' accounts are considered delinquent if they are not paid in full within 60 days after the bill is issued. McGill places a financial hold on these accounts, preventing students from obtaining official academic transcripts and from accessing Minerva for any registration functions.

Revision, August 2011. Start of revision.

Interest: Interest is charged on overdue balances at the monthly rate of 1.24%, multiplied by the balance outstanding at the end of the month (14.88% annually). The rate is evaluated each Spring, and then is set for the following academic year.

Revision, August 2011. End of revision.

Note: You should regularly verify your account balance on Minerva.

The University has no obligation to issue any transcript of record, award any diploma, or re-register a student if you do not pay your tuition fees, library fees, residence fees or loans by their due date.
4.9.1 Information for Registered Students

If you register for a term but still owe amounts from previous terms, you must either pay your account or make payment arrangements with the Student Accounts Office before the end of the course add/drop period. If you have financial difficulty, first contact the Student Aid Office (Brown Student Services Building, Room 3200; 514-398-6013) to discuss the possibility of obtaining financial aid.

If you fail to pay the previous term's fees or to make arrangements to settle your debt prior to the add/drop deadline, the University will cancel your registration in the current and subsequent terms.

4.9.2 Information for Students who are No Longer Registered

When students fail to settle their debt or reach a suitable payment arrangement, or fail to provide the Student Accounts Office with up-to-date contact information, the University refers these delinquent accounts to a collection agency. If neither the University nor the collection agency is able to collect on the account, the University reserves the right to have the student reported to a credit bureau. You should be aware that the University is entitled to use all legal means to obtain payment and that students are responsible for all costs associated with such actions.

4.9.3 Cancelling Registration for Non-Payment

In accordance with the fee policy stated in Overdue Accounts, the Student Accounts Office will make all reasonable efforts to notify you if your account is delinquent, or if you owe more than $100 from the previous term, before the University cancels your registration for non-payment. The cancellation is effective the last day of the add/drop period unless you settle the account or make payment arrangements with the University by then. If you pay or make payment arrangements with the Student Accounts Office after the add/drop deadline and you want the University to reinstate your registration for the current term, you must complete the Request for Reinstatement form (www.mcgill.ca/student-accounts) and submit it to the Student Accounts Office, which will forward it to Enrolment Services for approval and processing. Your fee account will be charged $150 (Reinstatement Penalty) for the processing of the re-enrolment.

4.10 Other Policies Related to Fees: Acceptance of Fees vs Academic Standing

Acceptance of fees by the University in no way guarantees that students will receive academic permission to pursue their studies. If it is subsequently determined that your academic standing does not permit you to continue, all fees paid in advance will be refunded.

For directions on requesting your refund online in Minerva, see www.mcgill.ca/student-accounts.

4.11 Other Policies Related to Fees: Fees for Students in Two Programs

Students in two programs normally are billed additional fees for their second program. Depending on the level of the two programs (e.g., one at the undergraduate versus one at the graduate level), you may incur both society and faculty fees and/or additional tuition fees. Consult the Student Accounts website at www.mcgill.ca/student-accounts for further details.

You should consult the Student Accounts Office at student.accounts@mcgill.ca for information on tuition fees. Adjustments to bills are made throughout the term in cases where fees cannot be automatically calculated.

4.12 Other Policies Related to Fees: Students Taking Courses Extra to Their Program

Students who have been given permission by their department and Graduate and Postdoctoral Studies to take courses that are considered to be extra to their primary program, must request, in writing to their department, to have those courses flagged as extra to their program, and are required to pay additional tuition charges. Such assessment of fees will be processed after normal course add/drop deadlines have passed.

Please refer to the "Extra Courses Policy" found at www.mcgill.ca/gps/policies.

4.13 Other Policies Related to Fees: Senior Citizens

Financial aid is available for students in need who are aged 65 or over and who are enrolled in full-time degree programs. Contact the Scholarships and Student Aid Office for more information at 514-398-6013.
4.14 Other Policies Related to Fees: Quebec Inter-University Transfer Agreements

If you are taking courses as part of the Quebec Inter-University Transfer (IUT) agreement, you are required to pay the fees at your home university; see section 2.1.14: Quebec Inter-University Transfer Agreement: McGill Students. The agreement covers only the transfer of academic credits.

International students in undergraduate programs are not usually permitted to take IUT courses.

IUT students taking courses at McGill are required to pay additional course charges that are compulsory upon registration, such as special activity charges or course material costs.

The University reserves the right to refuse course registrations in non-government-funded activities.

4.15 Students with Sponsors

If your fees will be paid by an outside agency such as the Department of Veterans Affairs, CIDA, or a foreign government, you must have written proof of this sponsorship. Your sponsor must confirm the conditions of their sponsorship in writing on company letterhead to the University. This allows the University to initiate a contract with your sponsor and effect the payment to your fee account. You need to notify the University at least one month before the beginning of the term in which the contract takes effect. For more information and the required forms, see www.mcgill.ca/student-accounts/third.

When a third party agrees to pay fees on behalf of a student, payment is recorded on the fee account, which reduces the balance the student must pay. The University reserves the right to insist upon payment. If the third party does not pay the promised fees within 90 days of invoicing, the student is responsible for paying the fees plus the late payment fee and accrued interest.

4.16 Students Receiving McGill Funding

Student funding may be paid directly to your student fee account or direct deposited to your bank. Please verify the payment schedule and the method of payment on Minerva's Financial Aid/Award menu if you are expecting a fellowship/award.

Please note that credit balances in student fee accounts that result from payment from fellowships/awards are refundable only after the official course add/drop period for each term.

4.17 Tuition and Fees – Payment Deferral

Students with no prior outstanding tuition/fees may request that payment(s) of tuition and fees be deferred based on self-reported demonstrated sources of funding from the university, government, or other external agencies. Such requests will be granted on a term by term basis during which time no interest or late payment charges will be applied on the fees covered by the deferral. The length of time that a fee deferral is in effect will depend on the nature of the fee deferral. For the list of deferrals and their duration, please refer to the Student Accounts website (www.mcgill.ca/student-accounts/deferred).

Students may apply for a fee deferral via the “Defer Payment of Tuition and Fees” through the Financial Aid/Award menu on Minerva, selecting the category applicable to their situation. All applicants will be verified to ensure they have self reported their situation accurately.

The Minerva application for deferral of tuition fees form is available in mid-July for the Fall term (mid-December for the Winter and early April for the Summer). Students who apply up to the fee deadline can be assured that the deferral will be in effect prior to interest being charged on their account. NOTE that students who apply late may not request cancellation of interest.

A fee deferral generally covers the amount of the Fall (Winter or Summer) term charges, which include tuition, administrative and certain academic fees, and health and dental insurance. Charges not covered by the tuition deferral include, but are not limited to, housing charges, meal plans, printing charges, or any other amounts owing that are not considered registration charges. Interest on outstanding already-billed amounts will continue to be charged on a monthly basis excluding amounts covered by the student aid tuition deferral.

Students are reminded that tuition and student housing fees have first call upon financial aid received from any source.

4.18 External Scholarships

Students may also receive external scholarships from other organizations, outside agencies, parents’ employers or community groups. These awards are typically sent directly to the University. Such students should provide the Student Accounts Office with a letter from the external body indicating the details and requirements of how the scholarship funds should be distributed, including any conditions for the award. If such information is not specified, the amount of the scholarship will be split into two terms and will be credited to the student’s account as soon as the student is registered, with the second instalment credited the first working day in January. If the student does not meet the requirements of the scholarship, the funds will be returned to the external body.

Students may need an anticipated scholarship to reduce their balance owing for a given term. If so, email student.accounts@mcgill.ca with “External Scholarships” in the subject line, at least one week before the fee deadline as stated on the e-bill, and indicate the amount, currency (Canadian or US dollars) and agency or company issuing the scholarship. A fee deferral for the expected amount will reduce the amount owed. The deferral will expire by the end of
RESOURCES FOR STUDY AND RESEARCH: LIBRARIES

September for the Fall term or January for the Winter term. Interest will be assessed at the prevailing rate on outstanding amounts beyond the deferral deadline.

4.19 Other Information: Payment Procedures

Please see the Student Accounts website at www.mcgill.ca/student-accounts for the various methods of payment available to students and their guests.

4.20 Other Information: Tax Slips/Receipts

T4A (RL-1); T2202A and Relevé 8 slips are issued on Minerva (www.mcgill.ca/minerva) under the Student Accounts Menu by the end of February each year. Note that a social insurance number and a valid mailing address are required to be transmitted to Revenu Québec by the University as part of its tax reporting for both the T4A and the Relevé 8 slip, therefore it is highly recommended that if you expect to be completing a Quebec income tax return, you provide this information to the University upon registration. More information on these slips is available on www.mcgill.ca/student-accounts.

4.21 Yearly Fees and Charges

In thesis programs, students are charged a flat rate based on 15 credits per term if they are registered full-time. In non-thesis programs, students are charged a flat rate (based on 15 credits per term) if they are registered full-time, or a per credit rate if they are registered for less than 12 credits.

Exceptions: In the M.L.I.S., S.T.M., M.A. in Counselling Psychology (60-credit program), M.A. Teaching and Learning (non-thesis), M.Sc. in Public Health (non-thesis), M.Sc.A. in Nursing, M.Sc.A. in Occupational Therapy, M.Sc.A. in Physical Therapy and M.Ed. programs, students are charged strictly per credit. All newly-admitted students in the M.B.A. Program as of Fall 2010 are subject to a new tuition rate structure, which is in the process of being determined. Students admitted to the M.B.A. prior to the Fall 2010 term are subject to the previous fee rate structure, where tuition is charged on a per credit basis.

Part-time, Qualifying, Special, Diploma and Certificate students will be charged tuition fees at the per credit rate and will be subject to student society fees, student services fees, and administrative fees.

Students who have completed the residency requirements for their program and yet have not completed the program requirements are required to be registered in a supplementary term until graduation. Where a student is in a thesis program, this is called “Additional session” and fees will be charged each term that they are registered, including the summer. Students required to register in a Thesis Evaluation Term upon initial submission of the thesis, will be charged only society and administrative fees in each term that they must be registered. Where a student is in a non-thesis program, this is called “Non-thesis extension” and fees will be charged in each Fall/Winter term that they are registered. Please refer to section 14.5.1: Master's Degrees and section 14.5.2: Doctoral Degrees.

Students registered as “Non-Resident” pay fees of $100 per term ($200 per year).

In the Summer term, students with a status of “Continuing” in a thesis program are not charged tuition fees, unless they are enrolled in courses which are considered extra to their program. Students in a non-thesis program taking courses in the Summer will be charged tuition on a per credit basis. Postdoctoral candidates are charged fees for membership to the Post-Graduate Students' Society (PGSS) as well as the PGSS Health & Dental Insurance plan.

Note: Please consult the Student Accounts website at www.mcgill.ca/student-accounts/fees for the current fees payable by graduate-level students.

5 Resources for Study and Research: Libraries

The McGill Library consists of 12 branch libraries and 3 special collections located across both campuses. Numbering over six million items, the Library's vast holdings include 2.5 million books, textbooks and course-readers, thousands of journal titles, vast manuscript and pictorial collections and thousands of sound and video recordings. The Library's e-resources are extensive, and include over 60,000 e-journals, multimedia, and two million e-books on subjects ranging from early English literature to nutrition.

A comprehensive website (www.mcgill.ca/library), an online catalogue, and a wide range of library services link the Library's resources to those who need them for learning, research and scholarship. Hundreds of databases on topics from art history to zoology guide users to relevant journal articles and research materials, while subject guides on topics like chemistry and social work provide comprehensive and clear direction for users undertaking research. The Library's website also provides access to items such as past examination papers, McGill theses, and foreign newspapers. All electronic resources are available for use from home using the VPN (Virtual Private Network) or laboratories anywhere on the campus - access any time, any place.

The staff in each branch library can help you locate information for course work, assignments or research topics. Training is provided at all student levels to ensure you know how to find and use information. Information skills programs are undertaken as part of course curricula. Liaison Librarians specialize in specific disciplines, and are available to assist students and staff in person, on the phone, online, by email and via online chat.
Although opening hours vary, most libraries are open up to 90 hours per week, and several branch libraries extend opening hours during examination periods, including 24-hour-access to the Humanities and Social Sciences Library. Hundreds of computers are available for email, word-processing, accessing online courses, reading library materials, preparing assignments and searching the Internet. Designed to enhance the learning experiences of diverse users, the Library's facilities offer a variety of comfortable and attractive spaces, including quiet individual study areas, dynamic e-zones, and group study rooms that can be booked for use. Wireless access is available throughout the library, and all libraries have card-operated printing and copying facilities. Special facilities are available for vision- and hearing-impaired users. Laptops and e-readers are also available for loan.

You can use special library services such as the Electronic Data Resources Service, which supports empirical and statistical research. Unique scholarly materials from the Rare Books and Special Collections are being digitized and theses are being submitted electronically. The Course Reserve collection in each branch library includes copies of textbooks and high-demand items on course reading lists. You can borrow materials from any library and return them anywhere across the system. If you need material not owned by McGill University Library, our Interlibrary Loan & Document Delivery Service will source it for you and pickup is available at any branch.

### 6 Resources for Study and Research: University Archives

The McGill University Archives (MUA) acquires, preserves and makes available to researchers (including students) more than 5,000 metres of records dating from 1797 to the present. These records document McGill University faculty, research, alumni and student organizations, and certain Montreal-based organizations. Archived media include textual records, photographs, audio-tapes, film, video, plans, University publications, and artifacts.

The MUA acquires private records to support University research goals and manages the University's corporate memory and information assets through its records management program. This program regulates the flow of administrative records and protects vital evidence of University functions and activities according to Quebec archives and records legislation.

The MUA Reading Room is open Monday to Friday, from 9:00 a.m. to 12:30 p.m. and from 1:45 p.m. to 4:45 p.m.; however, appointments are recommended. The MUA website features virtual exhibitions, tools to search the MUA holdings, and a large bank of digitized images.

- McGill University Archives
- McLennan Library Building - 6th Floor, Room 17B
- Telephone: 514-398-3772
- Fax: 514-398-8456
- Email: refdesk.archives@mcgill.ca
- Website: www.archives.mcgill.ca

### 7 Resources for Study and Research: Redpath Museum

The Redpath Museum is an academic unit of McGill University. Its mission is to foster understanding and appreciation of the diversity of our biological, geological, and cultural heritage through scientific research, collections-based study, and education. Its collections have been growing for over a century, and provide resources for research and for graduate and undergraduate education in biology, geology, anthropology and other fields. Its largest collections include fossils from the ancient sea floor of eastern Quebec, the oldest land plants, a vast range of minerals, molluscs from around the world, Egyptian and classical antiquities, and artifacts from Central Africa. The Museum also houses research laboratories and classrooms.

The Museum welcomes McGill students and staff to visit its permanent exhibit, which presents the history of life through the ages illustrated by material from Quebec and neighbouring regions, as well as displays that feature the mineral and mollusc collections. The Museum also features an ethnology gallery devoted to cultures throughout the world, including ancient Egypt, classical Greece and Rome, Asia, and Africa.

- 859 Sherbrooke Street West
- Telephone: 514-398-4086
- Email: redpath.museum@mcgill.ca
- Website: www.mcgill.ca/redpath

### 8 Resources for Study and Research: McCord Museum of Canadian History

The McCord Museum houses one of the finest historical collections in North America. It possesses some of Canada's most significant cultural treasures, including the most comprehensive collection of clothing - comprising over 16,000 garments or accessories - made or worn in Canada; an extensive collection of First Nations artifacts - the most important of its kind in Quebec with a corpus of over 13,000 objects from across Canada; and the renowned Notman Photographic Archives, which contain over one million historical photographs and offers a unique pictorial record of Canada from pre-Confederation to the present. The McCord also houses paintings by renowned artists such as Théophile Hamel, Cornelius Krieghoff, James Pattison Cockburn and George Heriot. The Museum's Textual Archives include some 185 linear metres of documents relating to Canadian history. Finally, the McCord's website
(www.mccord-museum.qc.ca) features award-winning virtual exhibitions, innovative learning resources and a vast, searchable database of information on the Museum's collections.

Exhibitions at the McCord provide innovative interpretations of the social and cultural history of Montreal, Quebec and Canada. In addition to guided tours, school programs, cultural activities and lectures, the McCord offers a range of services including the Museum Café and boutique.

Researchers are welcome by appointment.

690 Sherbrooke Street West
Telephone: 514-398-7100
Email: info@mccord.mcgill.ca
Website: www.mccord-museum.qc.ca

9 Resources for Study and Research: Lyman Entomological Museum and Research Laboratory

Located on the Macdonald Campus, this institution is the insect collection and systematic entomology laboratory of McGill University. The collection houses 2.8 million specimens of insects and other arthropods, making it the second largest insect collection in Canada, and the largest university insect collection in the country. The Lyman Museum is not generally open to the public since its main functions are research and teaching, not exhibitions. However, tours are available by appointment to interested parties.

Telephone: 514-398-7914
Website: http://lyman.mcgill.ca

10 Resources for Study and Research: Other Historical Collections

In addition to the McGill museums, there are other collections and exhibits of a specialized nature, ordinarily open only to students. For access, contact the appropriate department. These include the Medical Museum.

The Medical Museum is a repository of material dating from the late 19th century that documents the study and practice of Medicine at McGill University and its associated teaching hospitals. The major part of the collection consists of pathologic specimens, including those in the Abbott and Osler collections. The material is housed in the Lyman Duff Medical Building. A showcase in the Pine Street entrance hallway displays temporary exhibits. For more information, see the Museum website www.mcgill.ca/medicalmuseum.

The McGill Physics Department has two specialized collections that may be viewed by appointment:

The Rutherford Museum contains original apparatus and other items used by Professor Ernest Rutherford in his Nobel Prize-winning research at McGill University on radioactivity (1898-1907). For more information, see www.physics.mcgill.ca/museum/rutherford_museum.htm.

The McPherson Collection comprises a wide range of historical apparatus and instruments used for measurements and investigations, with special emphasis on 19th-century physics. For more information, see www.physics.mcgill.ca/museum/macpherson_collection.htm.

11 For your Information Technology (IT) needs

McGill's IT Services website is your one-stop shop for all central IT services at McGill. Visit www.mcgill.ca/it to:

- Find details on all IT services, including available training and support. Services are organized by categories such as "Telephone, Network and Wireless".
- Search the McGill IT Knowledge Base for FAQs and supporting articles on all IT services. Search by keywords such as "myMcGill", or by specific article number.
- Send us your feedback or get help on an IT issue.
- Read featured articles on computer security, new software and other timely tips.
- Find out about new IT projects on the horizon.
- Check the status of IT systems at a glance and view IT announcements and scheduled downtimes.

Take an interactive video tour of IT services at http://knowledgebase.mcgill.ca/it/welcome-students. Here you'll learn about myMcGill, the University portal, and myCourses (for online course content). You'll also find information on accessing your McGill email, connecting to the McGill wireless network, taking computer clinics, and downloading free software available to students.
11.1 **Logging In**

You need to use your McGill Username (usually in the form of firstname.lastname@mail.mcgill.ca) and McGill Password to access most central IT services including: myMcGill, myCourses, email, wireless and Virtual Private Network (VPN).

To find out your McGill Username and set your McGill Password:

2. Go to **Personal Menu > Password for McGill Username**
3. Follow the onscreen instructions.

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11.2 **myMcGill (the University portal)**

myMcGill is the central access point where you:

- Read your email.
- Check myCourses.
- Get direct links to Minerva to view and update your student records and account information.
- Search the McGill Library Catalogue.
- Keep abreast of the latest McGill news.

Click myMcGill at the top of the McGill home page ([www.mcgill.ca](http://www.mcgill.ca)) or through the McGill Quick Links, and sign in using your McGill Username and McGill Password.

11.2.1 **Browser compatibility**

myMcGill currently supports the latest versions of the following browsers:

- Internet Explorer (IE) (Windows)
- Firefox (Mozilla) (Windows/Macintosh)

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11.3 **myCourses**

Many of your courses will have online materials or activities such as assignments and readings, syllabuses, project guidelines, discussion forums, calendars, etc.

Access your online course content via myCourses at [www.mcgill.ca/mycourses](http://www.mcgill.ca/mycourses) or through links within myMcGill.

- Sign in using your McGill Username and McGill Password.
- Click myCourses (WebCT Vista) to enter the site.
- Verify your browser settings using the Check Browser utility at the top-right corner of the page.

Find more information on myCourses for students at: [www.mcgill.ca/it](http://www.mcgill.ca/it).

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11.4 **Email**

Your McGill Email Address (usually in the form of firstname.lastname@mail.mcgill.ca) is the University's official means of email communication with you. For information on the policy, see *E-mail Communications with Students* at [www.mcgill.ca/secretariat/policies/informationtechnology](http://www.mcgill.ca/secretariat/policies/informationtechnology). Access your email at [http://exchange.mcgill.ca](http://exchange.mcgill.ca) or through the myMcGill portal using your McGill Username and McGill Password. View your McGill Username, McGill Email Address and set up your McGill Password on the Minerva **Personal Menu**.
11.5 **Online Student Directory**

You can opt in to the student directory and make it easier for your fellow classmates to contact you. Find more on this service at [www.mcgill.ca/directory/students](http://www.mcgill.ca/directory/students).

11.6 **Getting Connected**

You will need to use your McGill Username and McGill Password to access the services listed below. You can find more details on these services at [www.mcgill.ca/it](http://www.mcgill.ca/it):

**Wireless:** Access the Internet using your laptop or other mobile device from virtually anywhere on campus, through the McGill Wireless network. Log in to the Wireless network using your McGill Username and McGill Password.

**Virtual Private Network (VPN):** If you connect to the Internet with an Internet Service Provider (ISP), you need to establish a VPN connection to access McGill restricted sites and resources (e.g., Library databases). Connect by VPN using your McGill Username and McGill Password. For instructions on setting up a VPN connection, search the IT Knowledge Base at [www.mcgill.ca/it](http://www.mcgill.ca/it).

**McGill Residences Telecommunications:** For students living in McGill Residences and McGill Off-Campus Residences, there is REZ Voice and Data service (wired and wireless). For more information search the IT Knowledge Base at [www.mcgill.ca/it](http://www.mcgill.ca/it).

**Computer Labs:** Many faculties and departments offer their students computer labs. For lab locations, computer availability and software/peripheral availability, see [http://webforms.mcgill.ca/labs](http://webforms.mcgill.ca/labs).

**Connectivity@McGill iCare Clinic:** Attend this free, hands-on clinic and learn how to configure your computer to connect to the Internet via wireless or modem, and how to set up a VPN connection. Find out how to register for IT Training at [www.mcgill.ca/it](http://www.mcgill.ca/it).

11.7 **Safe Computing**

**Computing Safety iCare Clinic:** Attend this free clinic and learn how to prevent viruses, spyware, adware and other malicious programs from infecting your computer. Find out how to register for IT Training at [www.mcgill.ca/it](http://www.mcgill.ca/it).

**Free software:** Download free antivirus software and other campus software from McGill's Software Licensing site at [www.mcgill.ca/software](http://www.mcgill.ca/software). Find out more about campus software and protecting your computer at [www.mcgill.ca/it](http://www.mcgill.ca/it).

**Note:** Be sure to uninstall any previous antivirus software from your computer before installing new antivirus software.

**Tips for keeping information secure:** Read about steps you can take to protect your data and identity at [www.mcgill.ca/it/information-security](http://www.mcgill.ca/it/information-security).

11.8 **Set up your security questions in myMcGill**

Setting up your security questions and answers for your McGill Password allows you to use the **Forgot Password?** link found on several McGill applications, in case you forget it.

Once you have set up your McGill Password in Minerva, log in to [myMcGill](https://mymcgill.mcgill.ca) and click the link in the McGill Password Security portlet. Follow the onscreen instructions to set up your own security questions and responses.

11.9 **Need Help?**

**Welcome New Students:** Take an interactive guided tour of IT services: at [http://knowledgebase.mcgill.ca/it/welcome-students](http://knowledgebase.mcgill.ca/it/welcome-students).

**McGill IT Knowledge Base:** Search the IT Knowledge Base at [http://knowledgebase.mcgill.ca/it](http://knowledgebase.mcgill.ca/it) for setup instructions and answers to commonly asked questions about IT.

11.9.1 **Getting Help?**

Contact the ICS Service Desk by submitting your request via a web form at [www.mcgill.ca/it/get-started-it/need-help](http://www.mcgill.ca/it/get-started-it/need-help), or check phone and walk-in support hours at [www.mcgill.ca/it](http://www.mcgill.ca/it).
12 The McGill Writing Centre

The McGill Writing Centre (MWC) offers credit courses in academic writing for both native and non-native speakers of English. In addition to its credit course offerings, the MWC offers workshops, seminars, and tutorials. For further information, please visit the MWC website: www.mcgill.ca/mwc.

Courses coded as CEAP (for native speakers of English) and CESL (for non-native speakers of English) may be taken to fulfill language requirements or as electives in some degree programs. In some faculties, you need to obtain approval from your Student Affairs Office as well as from your academic adviser before you take courses outside of your faculty, especially if the courses are part of your program requirements.

List of Undergraduate Courses: (please take note of course number changes)

<table>
<thead>
<tr>
<th>Previous Course Number</th>
<th>New Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAPR 250</td>
<td>CEAP 250</td>
<td>Research Essay and Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>ESLN 150</td>
<td>CESL 150</td>
<td>ESL: English as a Second Language</td>
<td>6</td>
</tr>
<tr>
<td>ESLN 200</td>
<td>CESL 200</td>
<td>ESL: Academic English 1</td>
<td>3</td>
</tr>
<tr>
<td>ESLN 299</td>
<td>CESL 299</td>
<td>ESL: Academic English Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ESLN 300</td>
<td>CESL 300</td>
<td>ESL: Academic English 2</td>
<td>3</td>
</tr>
<tr>
<td>ESLN 400</td>
<td>CESL 400</td>
<td>ESL: Essay &amp; Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>ESLN 500</td>
<td>CESL 500</td>
<td>ESL: Research Essay and Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>EDEC 206</td>
<td>CCOM 206*</td>
<td>Communication in Engineering</td>
<td>3</td>
</tr>
</tbody>
</table>

* CCOM 206 is a required course for and restricted to students in Engineering.

Note: Placement tests are required for admission to most CESL Undergraduate courses. Please consult the MWC website at www.mcgill.ca/mwc for details of the date and location of placement tests. In the case of CEAP 250, students write a brief composition IN CLASS on the first day of classes.

CEAP, CESL, and CCOM courses are not open to students who have taken them previously under the corresponding EAPR, ESLN, and EDEC codes.

List of Graduate Courses: (please take note of course number changes)

<table>
<thead>
<tr>
<th>Previous Course Number</th>
<th>New Course Number</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESLN 640</td>
<td>CESL 640</td>
<td>Fundamentals of Academic Writing for Graduate Students</td>
<td>3</td>
</tr>
<tr>
<td>ESLN 650</td>
<td>CESL 650</td>
<td>Pronunciation &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>ESLN 660</td>
<td>CESL 660</td>
<td>Pronunciation: Independent Study</td>
<td>N/A</td>
</tr>
<tr>
<td>ESLN 690</td>
<td>CESL 690</td>
<td>Writing for Graduate Students</td>
<td>3</td>
</tr>
</tbody>
</table>

Note: CESL courses are not open to students who have taken them previously under the corresponding ESLN codes.

Courses for School of Continuing Studies Students

| CCOM 205**             | Communications in Management 1 |
| CCOM 207***            | Communications in Public Relations |

** CCOM 205 is required for and restricted to students in Career and Professional Development programs offered by the School of Continuing Studies.

*** CCOM 207 is required for and restricted to students in the Public Relations Certificate program offered by Career and Professional Development in the School of Continuing Studies.

12.1 Contact Information for the McGill Writing Centre

Effective May 1, 2011
13 The University

McGill University is one of Canada's best-known institutions of higher learning and one of the country's leading research-intensive universities. With students coming to McGill from about 150 countries, our student body is the most internationally diverse of any medical-doctoral university in Canada.

13.1 History

The Hon. James McGill, a leading merchant and prominent citizen of Montreal, who died in 1813, bequeathed an estate of 46 acres called Burnside Place together with £10,000 to the “Royal Institution for the Advancement of Learning” upon condition that the latter erect “upon the said tract or parcel of land, an University or College, for the purpose of education and the advancement of learning in this Province”; and further upon condition that “one of the Colleges to be comprised in the said University shall be named and perpetually be known and distinguished by the appellation of ‘McGill College’.”

At the time of James McGill's death, the Royal Institution, although authorized by law in 1801, had not been created, but was duly instituted in 1819. In 1821 it obtained a Royal Charter for a university to be called McGill College. Further delay was occasioned by litigation, and the Burnside estate was not acquired until March 1829. The Montreal Medical Institution, which had begun medical lectures at the Montreal General Hospital in 1822, was accepted by the College as its Faculty of Medicine in June 1829. After further litigation, the College received the financial endowment in 1835 and the Arts Building and Dawson Hall were erected. The Faculty of Arts opened its doors in 1843.

Progress, however, was slow until the 1821 Charter was amended in 1852 to constitute the members of the Royal Institution as the Governors of McGill College. Since that time the two bodies have been one. It was first called “The University of McGill College” but in 1885 the Governors adopted the name
“McGill University”. Even after the amended charter was granted, little advance was made until 1855 when William Dawson was appointed Principal. When he retired 38 years later, McGill had over 1,000 students and Molson Hall (at the west end of the Arts Building), the Redpath Museum, the Redpath Library, the Macdonald Buildings for Engineering and Physics, and a fine suite of medical buildings had been erected.

Since then the University has continued to grow vigorously. In 1884 the first women students were admitted and in 1899 the Royal Victoria College was opened, a gift of Lord Strathcona, to provide separate teaching and residential facilities for women students. Gradually, however, classes for men and women were merged.

In 1905 Sir William Macdonald established Macdonald College at Sainte-Anne-de-Bellevue, as a residential college for Agriculture, Household Science, and the School for Teachers. Those components have since become the Faculty of Agricultural and Environmental Sciences, which includes the School of Dietetics and Human Nutrition, on the Macdonald Campus, and the Faculty of Education, located on the downtown campus. The University's general development has been greatly facilitated by the generosity of many benefactors, and particularly by the support of its graduates, as regular public funding for general and capital expenditures did not become available until the early 1950s. Since that time government grants have become a major factor in the University's financial operations, but it still relies on private support and private donors in its pursuit of excellence in teaching and research.

The University now comprises 11 faculties and 10 schools. At present over 32,000 students are taking credit courses; one in four is registered in Graduate Studies.

Revision, June 2011. Start of revision.

The University is also active in providing courses and programs to the community through the School of Continuing Studies.

Revision, June 2011. End of revision.

13.2  Incorporated and Affiliated Colleges

13.2.1  Incorporated College

Royal Victoria College

3425 University Street, Montreal, QC H3A 2A8

Revision, June 2011. Start of revision.

The Royal Victoria College, a non-teaching college of McGill University, provides residential accommodation for both men and women in a co-education environment.

Revision, June 2011. End of revision.

13.2.2  Affiliated Theological Colleges

Montreal Diocesan Theological College

3473 University Street, Montreal, QC H3A 2A8
Principal: J. M. Simons; B.A.(Bishop's), S.T.B.(Trin. Coll. (Tor.)), Ph.D.(G'town)

Presbyterian College of Montreal

3495 University Street, Montreal, QC H3A 2A8
Principal: J. Vissers; B.A.(Tor.), M.Div.(Knox, Tor.), Th.M.(Princ.), Th.D.(Knox, Tor.)

United Theological College of Montreal

3521 University Street, Montreal, QC H3A 2A9
Principal: P. Joudrey; B.A., M.Div.(Acad.), D.Min.(Andover Newton)

The above three colleges train students for the ministry and grant certificates for ordination but they have remitted their degree-granting powers, except with respect to the M.Div. and honorary doctorates, to the University.
13.3 University Government

McGill University is a corporation created by a Royal Charter granted by the Crown of the United Kingdom, a general supervisory power being retained by the Crown and exercised through the Governor General as Visitor.

The Governors of the University constitute the Royal Institution for the Advancement of Learning, a corporation existing under the laws of the Province of Quebec. In them is vested the management of finances, the appointment of professors, and other duties. Twelve of the governors are elected by the Board from amongst those nominated by its membership committee; three are elected by the Alumni Association; two are elected by Senate from amongst its members; two elected by the full-time administrative and support staff from amongst its members; two elected by the full-time academic staff; and two elected by students from amongst the student body. The Board elects the Chancellor of the University and also, from amongst its members, a chair to preside at its meetings, who may also be the Chancellor. The Chancellor and the Principal are ex officio members.

The Chancellor is presiding officer of Convocation and of joint sessions of the Board of Governors and the Senate.

The Chair of the Board of Governors is President of the Royal Institution for the Advancement of Learning.

The Principal and Vice-Chancellor is the chief executive officer of the University, appointed by the Board of Governors after consultation with a Statutory Committee to Nominate a Principal. The Principal is, ex officio, Chair of Senate.

The Senate is the highest academic authority of the University and has control over admission, courses of study, discipline, and degrees. The regulations of Senate are executed by the various faculties and schools, which also carry primary responsibility for the educational work of the University.

13.4 Recognition of Degrees

The Royal Institution for the Advancement of Learning (McGill University) is a publicly funded institution and holds a Royal Charter dated 1821 (amended in 1852) as well as being incorporated under the laws of the Province of Quebec.

McGill University was a founding member of the organization which evolved into the current Association of Universities and Colleges of Canada (A.U.C.C.) in which it remains very active. In addition, McGill University is a member of the American Association of Universities (A.A.U.). It is also a member of the Association of Commonwealth Universities and the International Association of Universities. Its undergraduate, professional and graduate degrees, including doctorates in a full range of disciplines, have been recognized by educational, government and private organizations worldwide for decades.

All of McGill’s degree programs are approved by the Quebec Ministère de l'Éducation, du Loisir et du Sport (MELS) and the Conférence des recteurs et des principaux des universités du Québec (CREPUQ).

13.5 Governance: Board of Governors

13.5.1 The Visitor

His Excellency The Right Honourable David L. Johnston  The Governor General of Canada

13.5.2 Board of Governors

Revision, August 2011. Start of revision.

Stuart (Kip) Cobbett; B.A., B.C.L.(McG.)  Chair
H. Arnold Steinberg; C.M., B.Com.(McG.), M.B.A.(Harv.), LL.D.(McG.)  Chancellor
Heather Munroe-Blum; O.C., O.Q., B.A., B.S.W.(McM.), M.S.W.(W. Laur.).  Principal and Vice-Chancellor
Ph.D.(N. Carolina)

Revision, August 2011. End of revision.

13.5.2.1 Members

Gerald Butts; B.A., M.A.(McG.)
Roshi Chadha
Peter Coughlin; B.Com.(Car.), M.B.A.(Western)
Ronald Harry Critchley; B.A.(C'dia-Loyola), M.A.(York)
Lili de Grandpré; B.A.(Western), M.B.A.(McG.)
Darren Entwistle; B.Econ.(C’dia), M.B.A.(McG.)
Kathy Fazel; B.Com.(McG.)
Morna Flood Consedine; B.A.(C’dia), M.Ed., D.Ed.(McG.)
Daniel J. Gagnier; B.A.(Loyola), M.A.(McG.), Ph.D.(ANU)
Claude Généreux; B.Eng.(McG.), M.A.(Oxf.)
David N. Harpp; A.B.(Middlebury), M.A.(Wesl.), Ph.D.(N. Carolina)
Kenneth Hastings; B.A., Ph.D.(McG.)
Samuel Minzberg; LL.B.(McG.)
Gary Pekeles; B.Sc., M.Sc.(McG.), M.D.,C.M.(Baylor)
Amir Raz; M.Sc., Ph.D.(Hebrew)
Michael Richards; B.A., B.C.L.(McG.)
Martine Turcotte; B.C.L./LL.B.(McG.), M.B.A.(London Business School)
Thierry Vandal; B.Eng., M.B.A.(Montr.)
Ann Vroom; B.A.(McG.)
Allan Youster

13.5.2.2 Student Representatives

Students’ Society of McGill (1)
Post-Graduate Students’ Society of McGill (1)

Observers

McGill Association of Continuing Education Students (1)
Macdonald Campus Students’ Society (1)

13.6 Governance: Members of Senate

13.6.1 Ex-officio

Revision, June 2011. Start of revision.

The Chancellor
The Chair of the Board of Governors
The Principal and Vice-Chancellor
The Provost, Deputy Provost, and the vice-principals
The deans of faculties
The Dean of Continuing Studies
The Dean of Graduate and Postdoctoral Studies
The Dean of Students
The Dean/Director of Libraries

Revision, June 2011. End of revision.

13.6.2 Elected Members

Revision, August 2011. Start of revision.

63 members elected by the faculties, the University Libraries, the Board of Governors, and administrative and support staff.
Medical Residents or Postdoctoral Scholars Group (1)
Student Members (19)

Revision, August 2011. End of revision.

13.7 Administration

Revision, August 2011. Start of revision.

<table>
<thead>
<tr>
<th>Administration</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>H. Arnold Steinberg; C.M., B.Com.(McG.), M.B.A.(Harv.), LL.D.(McG.)</td>
<td>Chancellor</td>
</tr>
<tr>
<td>Heather Munroe-Blum; O.C., O.Q., B.A., B.S.W.(McM.), M.S.W.(W. Laur.), Ph.D.(N. Carolina)</td>
<td>Principal and Vice-Chancellor</td>
</tr>
<tr>
<td>Anthony C. Masi; A.B.(Colgate), Ph.D.(Brown)</td>
<td>Provost</td>
</tr>
<tr>
<td>Morton J. Mendelson; B.Sc.(McG.), Ph.D.(Harv.)</td>
<td>Deputy Provost (Student Life &amp; Learning)</td>
</tr>
<tr>
<td>Kathleen Massey; B.A.(York)</td>
<td>University Registrar and Executive Director of Enrolment Services</td>
</tr>
<tr>
<td>Jana Luker; B.A.(Guelph), B.Ed., M.Ed.(Tor.)</td>
<td>Executive Director of Services for Students</td>
</tr>
<tr>
<td>Nathalie M. Cooke; B.A. (Qu.), B.Ed., M.A.(Tor.) , M.A. (C'nell), Ph.D.(Tor.)</td>
<td>Associate Provost (Academic Staff &amp; Priority Initiatives)</td>
</tr>
<tr>
<td>Jan Jorgensen; B.A., M.A.(N. Carolina), Ph.D.(McG.)</td>
<td>Associate Provost (Faculty Affairs &amp; Resource Allocation)</td>
</tr>
<tr>
<td>Lydia White; B.A., M.A.(Camb.), Ph.D.(McG.)</td>
<td>Associate Provost (Policies, Procedures &amp; Equity)</td>
</tr>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td>Associate Provost (Graduate Education) and Dean (Graduate &amp; Postdoctoral Studies)</td>
</tr>
<tr>
<td>Chandra Madramootoo; B.Sc., M.Sc., Ph.D.(McG.)</td>
<td>Associate Vice-Principal (Macdonald Campus) and Dean (Faculty of Agricultural &amp; Environmental Sciences)</td>
</tr>
<tr>
<td>Ghilaine Roquet; B.A.(UQAM), M.Sc.A.(Montr.)</td>
<td>Chief Information Officer</td>
</tr>
<tr>
<td>Stephen Strople; B.A.(Dal.), M.A.(York)</td>
<td>Secretary-General</td>
</tr>
<tr>
<td>Michael Di Grappa; B.A.(C'dia), M.P.P.A.(Col.), M.A.(Harv. Business School)</td>
<td>Vice-Principal (Administration &amp; Finance)</td>
</tr>
<tr>
<td>Lynne B. Gervais; B.A.(C’dia)</td>
<td>Associate Vice-Principal (Human Resources)</td>
</tr>
<tr>
<td>Jim Nicell; B.A.Sc., M.A.Sc., Ph.D.(Windsor), P.Eng.</td>
<td>Associate Vice-Principal (University Services)</td>
</tr>
<tr>
<td>Marc Weinstein; B.A., B.C.L., LL.B.(McG.)</td>
<td>Vice-Principal (Development &amp; Alumni Relations)</td>
</tr>
<tr>
<td>Richard I. Levin; B.S.(Yale), M.D.(NYU)</td>
<td>Vice-Principal (Health Affairs) and Dean (Faculty of Medicine)</td>
</tr>
<tr>
<td>Sam Benaroya; B.Sc., M.D.,C.M.(McG.)</td>
<td>Associate Vice-Principal (Health Affairs) and Associate Dean (Inter-Hospital Affairs)</td>
</tr>
<tr>
<td>Rose Goldstein; B.Sc., M.D.,C.M.(McG.)</td>
<td>Vice-Principal (Research &amp; International Relations)</td>
</tr>
<tr>
<td>Masad J. Damha; B.Sc., Ph.D. (McG.)</td>
<td>Associate Vice-Principal (Research &amp; International Relations)</td>
</tr>
<tr>
<td>Rima Rosen; B.Sc., Ph.D.(McG.)</td>
<td>Associate Vice-Principal (Research &amp; International Relations)</td>
</tr>
<tr>
<td>Vaughan Dowie</td>
<td>Executive Head of Public Affairs</td>
</tr>
</tbody>
</table>

Revision, August 2011. End of revision.
14 Agricultural and Environmental Sciences

14.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master’s degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada’s most intensive research universities and among the world’s top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

14.2 Graduate and Postdoctoral Studies

14.2.1 Administrative Officers

Administrative Officers

Martin Kreiswirth; B.A.(Ham), M.A.(Chic.), Ph.D.(Tor.)
Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)
Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.
Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)
Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)
Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)
Lissa B. Matyas; B.F.A., M.Sc.(C’dia)

Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)
Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)
Associate Dean (Graduate and Postdoctoral Studies)
Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)
Associate Dean (Graduate and Postdoctoral Studies)
Director (Graduate and Postdoctoral Affairs)
Director (Recruitment and Retention)

14.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps
14.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

14.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

14.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

**Agricultural and Environmental Sciences**

- section 14.11.1: Agricultural Economics
- section 14.11.2: Animal Science
- section 14.11.3: Bioresource Engineering
- section 14.11.4: Dietetics and Human Nutrition
- section 14.11.5: Food Science and Agricultural Chemistry
- section 14.11.6: Natural Resource Sciences
- section 14.11.7: Parasitology
- section 14.11.8: Plant Science

**Arts**

- section 15.11.1: Anthropology
- section 15.11.2: Art History
- Classics, see section 15.11.12: History and Classical Studies
- section 15.11.4: Communication Studies
- section 15.11.5: East Asian Studies
- section 15.11.6: Economics
- section 15.11.7: English
- section 15.11.8: French Language and Literature
- section 15.11.9: Geography
- section 15.11.10: German Studies
- section 15.11.11: Hispanic Studies
- section 15.11.12: History and Classical Studies
- section 15.11.13: Institute for the Study of International Development
- section 15.11.14: Islamic Studies
- section 15.11.15: Italian Studies
- section 15.11.16: Jewish Studies
- section 15.11.17: Linguistics
- section 15.11.18: Mathematics and Statistics
- section 15.11.19: Philosophy

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.
Arts
section 15.11.20: Political Science
section 15.11.21: Psychology
section 15.11.23: Russian and Slavic Studies
section 15.11.24: Social Studies of Medicine
section 15.11.25: Social Work
section 15.11.26: Sociology

Dentistry
section 16.11.1: Dentistry

Desautels Faculty of Management
section 17.11: Desautels Faculty of Management

Education
section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering
section 19.11.1: Architecture
section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law
section 20.11.1: Law

McGill School of Environment
section 21.11.1: Environment

Medicine
section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics


**Medical Sciences**

- **Microbiology and Immunology**
- **Neuroscience (Integrated Program in)**
- **Nursing**
- **Occupational Health**
- **Otolaryngology – Head and Neck Surgery**
- **Pathology**
- **Pharmacology and Therapeutics**
- **Physical and Occupational Therapy**
- **Physiology**
- **Psychiatry**
- **Surgical Research**

**Religious Studies**

- **Religious Studies**

**Schulich School of Music**

- **Schulich School of Music**

**Science**

- **Atmospheric and Oceanic Sciences**
- **Biology**
- **Chemistry**
- **Computer Science**
- **Earth and Planetary Sciences**
- **Geography**
- **Mathematics and Statistics**
- **Physics**
- **Psychology**

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### 14.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

- Clinical Research (Experimental Medicine)
- Epidemiology and Biostatistics
- Islamic Studies
- Library and Information Studies
- Mining Engineering
- Nursing
- Primary Care Nurse Practitioner
- Professional Performance
- Public Accountancy (C.A.)
- Registered Dietician Credentialing (R.D.)
- School and Applied Child Psychology (post-Ph.D.)
- Surgical Health Care Research

These diploma programs consist of at least two terms of full-time study or the equivalent.
## Graduate Certificates are offered in:

- Assessing Driving Capabilities
- Air and Space Law
- Bioresource Engineering (IWRM)
- Biotechnology
- Comparative Law
- Educational Leadership 1
- Educational Leadership 2
- Library and Information Studies
- Post-M.B.A.
- Teaching English as a Second Language
- Theory in Primary Care
- Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

### 14.4.2 Master’s Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

<table>
<thead>
<tr>
<th>The following master’s degrees are offered (see below for more information about sub-specializations):</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D., C.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

### Master of Architecture Degrees
M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D./C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

**Master's Degrees in Education**


The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Kinesiology and Physical Education (Thesis and Non-Thesis)  
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)  
Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

Educational Psychology

The M.Sc. may be taken in the following area:

Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

Aerospace Engineering (Project)  
Biomedical Engineering; option in Bioinformatics  
Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)  
Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)  
Electrical Engineering (Thesis and Project); option in Computational Science and Engineering  
Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering  
Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).  
Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law

The degree of Master of Laws is offered in:

Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies  
Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.  
The M.A. may be taken in:

Music Technology  
Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies  
Music Education (Thesis and Non-Thesis)  
Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

Composition  
Performance (various options) (Non-Thesis)  
Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.
Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics
Animal Science
Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
Biochemistry; options in Bioinformatics, and Chemical Biology
Biology; options in Bioinformatics, Environment, and Neotropical Environment
Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
Cell Biology and Anatomy
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Communication Sciences and Disorders
Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
Earth and Planetary Sciences; option in Environment
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
Geography; options in Environment, and Neotropical Environment
Genetic Counselling (Non-Thesis)
Human Genetics; option in Bioinformatics
Human Nutrition
Kinesiology and Physical Education (Thesis and Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Mechanical Engineering
Medical Radiation Physics
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
Microbiology and Immunology
Microbiology (Macdonald Campus); option in Environment
Mining and Materials Engineering
Neuroscience
Nursing
Otolaryngology
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Psychiatry
Psychology
Rehabilitation Sciences (Thesis and Non-Thesis)
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
Surgery, Experimental

Master of Science, Applied, Degrees

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

Animal Science
Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
Biotechnology
Chemistry
Communication Sciences and Disorders
Human Nutrition
Nursing
Occupational Health
Occupational Therapy
Plant Science
Physical Therapy

Other degrees:

Master of Science, Applied (OT)
Master of Science, Applied (PT)

**Master of Social Work Degrees**
The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

**Master of Urban Planning Degree**
The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

### 14.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

**Doctor of Civil Law Degrees**

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

**Doctor of Music Degrees**

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

**Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Classics
Communication Studies; option in Gender and Women's Studies
Communication Sciences and Disorders; option in Language Acquisition
Computer Science; option in Bioinformatics
Counselling Psychology
Earth and Planetary Sciences; option in Environment
Economics
Educational Psychology
Educational Studies; option in Gender and Women's Studies
Electrical Engineering
English
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics
Food Science and Agricultural Chemistry
French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)
Management (McGill/Concordia/H.E.C./UQAM)
Social Work (McGill/Université de Montréal)
14.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

14.5 Program Requirements

14.5.1 Master's Degrees

Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of **three full-time terms**: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).

- The following master's programs have a **minimum residence requirement of four full-time terms**: M.L.I.S., M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.

- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis.

Residence requirements are fulfilled when students complete all course requirements in their respective programs. For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at [www.mcgill.ca/gps/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

14.5.2 Doctoral Degrees

Residence Requirements – Doctoral
Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master's degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master's degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

Thesis Oral Examination – Doctoral

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

14.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application,
including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

14.5.4  Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

14.5.5  Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

14.6  General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants

Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

14.6.1  Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.
14.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

14.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

14.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
<td></td>
</tr>
</tbody>
</table>

N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of "B" (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of "C" (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

McGill University, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012
(Published September 13, 2011)

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

14.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master’s Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

14.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

14.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

14.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

14.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

14.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.
If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


14.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

14.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)


The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

14.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

14.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).
**14.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education**

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. **Definition and Status**
   
i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. **Registration**
   
i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding. Persons may only be registered with the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   
ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. **Appointment, Pay, Agreement of Conditions**
   
i. Appointments may not exceed your registration eligibility status.
   
ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   
iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.
   
iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.
   
v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. **Privileges**
   
i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.
   
ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
   
iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.
   
iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.
   
v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.
   
vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
   
vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.
   
viii. Postdocs have access to the services provided by the Ombudsperson.
   
ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.
x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities ("Green Book"), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

– to verify the Postdoc’s eligibility period for registration;
– to provide Postdocs with departmental policy and procedures that pertain to them;
– to oversee the registration and appointment of Postdocs;
– to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
– to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
– to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
– to include Postdocs in departmental career and placement opportunities;
– to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

– to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
– to provide research guidance;
– to meet regularly with their Postdocs;
– to provide feedback on research submitted by the Postdocs;
– to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
– to provide mentorship for career development;
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

14.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

14.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).
14.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

14.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.
14.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees
   i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.
   
   ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program
   i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.
   
   ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.
   
   iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.
   
   iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.
   
   v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.
   
   vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).
   
   vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.
   
   viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities
   Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.
   
   i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.
ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

14.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:

   • be used annually;
   • be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   • include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation);
   • permit the student to submit a minority report and not sign;
   • state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.
Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 14.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

### 14.9.4 Ph.D. Comprehensives Policy

**Preamble**

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. **General Policy**

   At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. **All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. ("Mixed" modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

**Specific Issues**

**Objectives and Content**

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.
Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see [www.mcgill.ca/students/ssr/honest](http://www.mcgill.ca/students/ssr/honest) for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the [Handbook on Students Rights and Responsibilities](http://www.mcgill.ca/secretariat/policies/students)) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of IH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

**Other Relevant Policies/Offices**

- Charter of Student Rights
- Graduate Studies Reread Policy
- Office for Students with Disabilities

*Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997*

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**14.9.5 Graduate Studies Reread Policy**

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

**Consultation**
In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

   (Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

   Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

   The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

   In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching

Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

14.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the...
Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:
All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

14.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

14.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

14.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

14.10.1 Policy on Research Ethics


14.10.2 Regulations on Research Policy


14.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

14.10.4 Guidelines for Research Involving Human Subjects

14.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

14.10.6 Policy on Intellectual Property


14.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

14.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

14.10.9 Office of Sponsored Research


14.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

14.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

14.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

14.11.1 Agricultural Economics

14.11.1.1 Location

Department of Agricultural Economics
Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7820
Email: agr.econ@mcgill.ca
Website: http://agrecon.mcgill.ca

14.11.1.2 About Agricultural Economics

For program information please see the section 14.11.6: Natural Resource Sciences.

14.11.1.3 Agricultural Economics Faculty

Program Director

J.C. Henning
14.11.2 Animal Science

14.11.2.1 Location

Department of Animal Science
Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7794
Fax: 514-398-7964
Email: animal.science@mcgill.ca
Website: www.mcgill.ca/animal

14.11.2.2 About Animal Science

The Department of Animal Science provides exciting challenges to graduate students in the areas of Biotechnology and Molecular Biology, Breeding and Genetics, Nutrition, and Reproductive Physiology as they relate, not only to livestock production but also leading into the fields of human nutrition and medicine via animal models for human disease, infertility, and obesity. Official options in Biotechnology are also available. Departmental researchers have excellent wet-lab facilities at their disposal; large-animal studies can be carried out at the Large Animal Research Unit on the Macdonald campus farm, where other livestock species are available for research trials as well. Research can make use of the Small Animal Research Unit for studies involving rodent-animal models, guinea pigs, neonatal piglets, and rabbits. Expertise is also available in applied information systems, management-software development, and large-scale data analyses. Close collaboration with the Quebec Centre for Expertise in Dairy Production (Valacta) allows for large-scale data-mining projects, software development, and the production of advising tools for the industry. The Department also has significant expertise in food safety, environmental studies related to animal production, and global food security. Our staff's many connections via research networks allow for rich learning environments for our graduate students.

section 14.11.2.5: Master of Science (M.Sc.); Animal Science (Thesis) (45 credits)

Four one-semester courses and two seminar courses at the postgraduate level complement an area of research (resulting in a thesis) under the supervision of one of our staff – many of whom are leaders in their respective fields. Official options in Biotechnology are also available. Departmental researchers have excellent wet-lab facilities at their disposal; large-animal studies can be carried out at the Large Animal Research Unit on the Macdonald campus farm, where other livestock species are available for research trials as well. Research can make use of the Small Animal Research Unit for studies involving rodent-animal models, guinea pigs, neonatal piglets, and rabbits. Expertise is also available in applied information systems, management-software development, and large-scale data analyses. Close collaboration with the Quebec Centre for Expertise in Dairy Production (Valacta) allows for large-scale data-mining projects, software development, and the production of advising tools for the industry. The Department also has significant expertise in food safety, environmental studies related to animal production, and global food security. Our staff's many connections via research networks allow for rich learning environments for our graduate students.

section 14.11.2.6: Master of Science, Applied (M.Sc.A.); Animal Science (Non-Thesis) (45 credits)

This non-thesis degree is oriented to animal scientists already working in industry or government, to undergraduate students inspired by concepts in sustainable and integrated animal agriculture, to project leaders interested in animal resource management, and to veterinarians. The program provides graduate training in applied areas of animal production with a view toward integrating technology and management in animal production with allied areas of agricultural resource utilization.

section 14.11.2.7: Doctor of Philosophy (Ph.D.); Animal Science

Since the Ph.D. is primarily a research degree, the amount of coursework required will normally be considerably less than is the case for the M.Sc. It will depend on the background of the individual student and must be approved by the student's advisory committee. At a minimum, it includes two seminar courses at the graduate level and the Ph.D. Comprehensive Examination as an admission to candidacy for the Ph.D. As with the M.Sc. (Thesis), admission is based on an excellent track record. Suitable candidates are encouraged to contact potential supervisors within their chosen area of interest. Applicants should, however, be aware that no professor is in a position to accept students without formal approval of the application by the Graduate School.

section 14.11.2.8: Doctor of Philosophy (Ph.D.); Animal Science — Bioinformatics

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental
section 14.11.2.8: Doctor of Philosophy (Ph.D.); Animal Science — Bioinformatics

design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

14.11.2.3 Animal Science Admission Requirements and Application Procedures
14.11.2.3.1 Admission Requirements

M.Sc. (Thesis)
Candidates are required to have either a bachelor's degree in Agriculture or a B.Sc. degree in an appropriate, related discipline with an equivalent cumulative grade point average of 3.0/4.0 (second class–upper division) or 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

M.Sc. (Applied)
All candidates are required to have a B.Sc. degree or equivalent.

Ph.D.
Candidates are normally required to have a M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program.

14.11.2.3.2 Application Procedures

Applicants for graduate studies through academic units in the Faculty of Agricultural and Environmental Sciences must forward supporting documents to:

Department of Animal Science
Macdonald Campus of McGill University
21,111 Lakeshore
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7792
Fax: 514-398-7964
Email: animal.science@mcgill.ca

Applications will be considered upon receipt of a signed and completed application form, $100 application fee, and the following supporting documents:

Transcripts – Two official copies of all university-level transcripts with proof of degree(s) granted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

Letters of Recommendation – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization. It is the applicant's responsibility to arrange for these letters to be sent. Letters of recommendation may also be sent electronically (via email). Letters sent electronically must meet the following conditions:

1. The email communicating the electronic letter must be sent from a valid institutional or corporate email address (domain). Electronic letters sent from public domain addresses such as Hotmail, Gmail, Yahoo Mail, or Videotron, etc., cannot be accepted.
2. The electronic letters must be specific as to which program the student has applied to, and include information that would aid an admissions committee in making an informed decision.
3. Letters of reference (electronic and hard copy) must be dated and must not be more than 12 months old.
4. The referee must indicate his/her position and full contact information at the institution.
5. Electronic letters sent from a Career Centre or Portfolio Management Company must state that the letters are confidential.

(For hard-copy letters submitted on electronic letterhead with an electronic signature, the letter must conform to conditions 1) through 5) (above) and must also be sent in an envelope sealed by the referee.

Competency in English – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 550 or 86 on the Internet-based test, with each component score not less than 20) or IELTS (minimum 6.5 overall band). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use Department code 31 (Graduate Schools), Biological Sciences – Agriculture, to ensure that your TOEFL reaches this office without delay.

Graduate Record Exam (GRE) – The GRE is not required, but it is highly recommended.

Documents submitted will not be returned.
Application Fee (non-refundable) – A fee of CAD$100 must accompany each application (including those of McGill students); otherwise, it cannot be considered. This sum must be remitted by credit card only.

Dates for Guaranteed Consideration – For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. It may be necessary to delay review of the applicant’s file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants are encouraged to make use of the online application form available on the web at www.mcgill.ca/gradapplicants/apply.

Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.

Acceptance to all programs depends on a staff member agreeing to serve as the student’s supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student’s supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

Qualifying Students – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying Program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year is permitted. Successful completion of a qualifying program does not guarantee admission to a degree program.

14.11.2.4 Animal Science Faculty

Chair
Kevin M. Wade

Emeritus Professors
R.B. Buckland; B.Sc.(Agr.), M.Sc.(McG.), Ph.D.(Md.)
E.R. Chavez; Ing.Agr.(Chile), M.Sc., Ph.D.(Davis)
E. Donefer; B.Sc., M.Sc.(C’nell), Ph.D.(McG.)
B.R. Downey; D.V.M.(Tor.), Ph.D.(McG.)
U. Kühnlein; B.Sc.(Fed. Inst. of Tech., Zurich), Ph.D.(Geneva)
J.E. Moxley; B.Sc.(Agr.), M.Sc.(McG.), Ph.D.(C’nell)
S. Touchburn; M.S.A.(Br. Col.), Ph.D.(Ohio St.)

Professors
J.F. Hayes; B.Agr.Sc., M.Agr.Sc.(Dublin), Ph.D.(N. Carolina St.)
X. Zhao; B.Sc., M.Sc.(Nanjing), Ph.D.(C’nell) (James McGill Professor)

Associate Professors
V. Bordignon; D.V.M.(URCAMP, Brazil), M.Sc.(UFPel, Brazil), Ph.D.(Montr.)
R.I. Cue; B.Sc.(Newcastle, UK), Ph.D.(Edin.)
H. Monardes; Ing.Agr.(Concepcion, Chile), M.Sc., Ph.D.(McG.)
A.F. Mustafa; B.Sc., M.Sc.(Khartoum), Ph.D.(Sask.) (William Dawson Scholar)
L.E. Phillip; B.Sc.(Agr.), M.Sc.(Agr.)(McG.), Ph.D.(Guelph)
K.M. Wade; B.Sc.(Agr.), M.Sc.(Agr.)(Dublin), Ph.D.(C’nell)
D. Zadworny; B.Sc., Ph.D.(Guelph)

Assistant Professors
M. Chénier; B.Sc.(Laval), M.Sc.(Queb.), Ph.D.(McG.)
R. Duggavathi; B.V.Sc., M.V.Sc.(Bangalore), Ph.D.(Sask.)
S. Kimmins; B.Sc.(Dal.), M.Sc.(Nova Scotia Ag.), Ph.D.(Dal.)
Adjunct Professors

H. Baldassarre, P. Lacasse, D. Lefebvre, B. Murphy

14.11.2.5 Master of Science (M.Sc.); Animal Science (Thesis) (45 credits)

Thesis Courses (31 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSC 680</td>
<td>7</td>
<td>M.Sc. Thesis 1</td>
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<tr>
<td>ANSC 681</td>
<td>7</td>
<td>M.Sc. Thesis 2</td>
</tr>
<tr>
<td>ANSC 682</td>
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<td>M.Sc. Thesis 3</td>
</tr>
<tr>
<td>ANSC 683</td>
<td>10</td>
<td>M.Sc. Thesis 4</td>
</tr>
</tbody>
</table>

Required Courses (14 credits)

12 credits of coursework at the 500 level or higher approved by the student's advisory committee, and two seminars.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ANSC 695</td>
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<td>Animal Science Seminar 1</td>
</tr>
<tr>
<td>ANSC 696</td>
<td>1</td>
<td>Animal Science Seminar 2</td>
</tr>
</tbody>
</table>

Advanced undergraduate courses may be considered for graduate credit if approved by the student's committee and Graduate and Postdoctoral Studies and passed at the graduate level; generally, this will not constitute more than one of the four required courses.

14.11.2.6 Master of Science, Applied (M.Sc.A.); Animal Science (Non-Thesis) (45 credits)

The program aims to provide graduate training in applied areas of animal production with a view toward integrating technology and management in animal production with allied areas of agricultural resource utilization.

Research Project (15 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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<td>3</td>
<td>Project 3</td>
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<td>ANSC 646</td>
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<td>Project 4</td>
</tr>
<tr>
<td>ANSC 647</td>
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<td>Project 5</td>
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</tbody>
</table>

Complementary Courses (30 credits)

15-30 credits from the following:

<table>
<thead>
<tr>
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<th>Course Name</th>
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<tbody>
<tr>
<td>AEMA 610</td>
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<td>Statistical Methods 2</td>
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<tr>
<td>ANSC 504</td>
<td>3</td>
<td>Population Genetics</td>
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<td>ANSC 506</td>
<td>3</td>
<td>Advanced Animal Biotechnology</td>
</tr>
<tr>
<td>ANSC 530</td>
<td>3</td>
<td>Experimental Techniques in Nutrition</td>
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<td>ANSC 551</td>
<td>3</td>
<td>Carbohydrate and Lipid Metabolism</td>
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<td>ANSC 552</td>
<td>3</td>
<td>Protein Metabolism and Nutrition</td>
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<td>ANSC 560</td>
<td>3</td>
<td>Biology of Lactation</td>
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<td>ANSC 565</td>
<td>3</td>
<td>Applied Information Systems</td>
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<td>ANSC 600</td>
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<td>Advanced Eukaryotic Cells and Viruses</td>
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<td>ANSC 605</td>
<td>3</td>
<td>Estimation: Genetic Parameters</td>
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<tr>
<td>ANSC 606</td>
<td>3</td>
<td>Selection Index and Animal Improvement</td>
</tr>
<tr>
<td>ANSC 607</td>
<td>3</td>
<td>Linear Models in Agricultural Research</td>
</tr>
</tbody>
</table>
ANSC 611D1 (1.5)  Advanced Reproductive Biology
ANSC 611D2 (1.5)  Advanced Reproductive Biology
ANSC 622 (3)  Selected Topics in Molecular Biology
ANSC 635 (3)  Vitamins and Minerals in Nutrition
ANSC 636 (3)  Analysis - Animal Breeding Research Data
ANSC 691 (3)  Special Topic: Animal Sciences
ANSC 692 (3)  Topic in Animal Sciences 1

0-15 credits selected from 500- and 600-level courses from across the Faculty (with the possibility of up to 9 credits from outside the Faculty if deemed appropriate by the supervisor).

14.11.2.7 Doctor of Philosophy (Ph.D.); Animal Science

Since the Ph.D. is primarily a research degree, the amount of coursework required will depend on the background of the individual student, and must be approved by the student's advisory committee.

Thesis
Required Courses
ANSC 701 (0)  Doctoral Comprehensive Examination

Two seminar courses at the 500, 600, or 700 level.

14.11.2.8 Doctor of Philosophy (Ph.D.); Animal Science — Bioinformatics

Thesis
The thesis must clearly show originality and be a contribution to knowledge.

Required Courses (5 credits)
ANSC 701 (0)  Doctoral Comprehensive Examination
ANSC 797 (1)  Animal Science Seminar 3
ANSC 798 (1)  Animal Science Seminar 4
COMP 616D1 (1.5)  Bioinformatics Seminar
COMP 616D2 (1.5)  Bioinformatics Seminar

Complementary Courses (6 credits)
Two courses chosen from the following:
BINF 621 (3)  Bioinformatics: Molecular Biology
BMDE 652 (3)  Bioinformatics: Proteomics
BTEC 555 (3)  Structural Bioinformatics
COMP 618 (3)  Bioinformatics: Functional Genomics
PHGY 603 (3)  Systems Biology and Biophysics

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.
14.11.3 Bioresource Engineering

14.11.3.1 Location

Department of Bioresource Engineering
Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7774
Fax: 514-398-8387
Email: susan.gregus@mcgill.ca
Website: www.mcgill.ca/bioeng

14.11.3.2 About Bioresource Engineering

The Department offers M.Sc. and Ph.D. research programs in various areas of bioresource engineering including: plant and animal environments; ecological engineering (ecosystem modeling, design, management, and remediation); water resources management (hydrology, irrigation, drainage, water quality); agricultural machinery, mechatronics, and robotics; food engineering and food bio-processing; post-harvest technology; waste management and protection of the environment; bio-energy; artificial intelligence. The Department also offers a Graduate Certificate in Bioresource Engineering (Integrated Water Resources Management). The Department has well equipped laboratories for conducting research in all these areas.

The interdisciplinary nature of bioresource engineering often requires candidates for higher degrees to work in association with, or attend courses given by, a number of other departments at both the McGill University Macdonald campus and the Downtown campus.

- section 14.11.3.5: Master of Science (M.Sc.); Bioresource Engineering (Thesis) (46 credits)
  This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research.

- section 14.11.3.6: Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Environment (46 credits)
  The Environmental option is coordinated through the McGill School of Environment (MSE). This option is intended for students who want to take an interdisciplinary approach in their graduate research on environmental issues. Students will learn how knowledge is transferred into action with regards to the environment and how to develop an appreciation of the roles of science, politics, economics, and ethics.

- section 14.11.3.7: Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Neotropical Environment (46 credits)
  This option is a joint offering between McGill University and the Smithsonian Tropical Research Institute (STRI) in Panama. This interdisciplinary option encourages and promotes ethically sound and socially significant learning in the global context of environmental problems. Participation in the MSE-Panama Symposium presentation in Montreal is a requirement of this program. This program trains students in the socio-political aspects of the Tropical Environment.

- section 14.11.3.8: Master of Science (M.Sc.); Bioresource Engineering (Non-Thesis) — Integrated Water Resource Management (45 credits)
  Integrated Water Resource Management is a one-year program providing an essential approach for sustainable management of our natural watershed resources. The 13-credit internship is a central feature of this master’s program. The degree gives students the unique opportunity to study the biophysical, environmental, legal, institutional, and socio-economic aspects of water use and management, in an integrated context. The degree is directed at practising professionals who wish to upgrade and/or focus their skill set to address water management issues. As a graduate from this program, you will be well suited to opportunities in diverse fields of employment, such as water resources consulting, international development project management, research with governments or universities, public policy and governance development, and climate change impact assessment.

- section 14.11.3.9: Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) (45 credits)
  The non-thesis option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas (soil and water, structures and environment, waste management, environment protection, post-harvest technology, food process engineering, environmental engineering) in order to attain a higher level of engineering qualification. Candidates must be qualified to be members of a Canadian professional engineering association such as the Ordre des ingénieurs du Québec (OIQ) and must maintain contact with their academic adviser in the Department of Bioresource Engineering before registration to clarify objectives, investigate project possibilities, and plan a program of study.

- section 14.11.3.10: Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Environment (45 credits)
  The non-thesis Environment option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas with the coordination of the McGill School of Environment.
section 14.11.3.11: Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Neotropical Environment (45 credits)

The non-thesis option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas of the Tropical Environment. Participation in the MSE-Panama Symposium presentation in Montreal is a requirement of this program.

section 14.11.3.12: Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Environmental Engineering (45 credits)

The Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspective, and awareness of environmental issues through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University.

The primary objective of the program is to train environmental professionals at the advanced level. The program is thus designed for individuals with a university undergraduate degree in engineering. Through this program, students will master specialized skills in their home disciplines and acquire a broader perspective and awareness of environmental issues.

section 14.11.3.13: Doctor of Philosophy (Ph.D.); Bioresource Engineering

Please contact the Department for more information about this program.

section 14.11.3.14: Doctor of Philosophy (Ph.D.); Bioresource Engineering — Environment

The Ph.D. Bioresource Engineering: Environment – MSE Option is coordinated through the McGill School of Environment (MSE). This option is intended for students who want to take an interdisciplinary approach in their graduate research on environmental issues. Students will learn how knowledge is transferred into action with regards to the environment and how to develop an appreciation of the roles of science, politics, economics, and ethics.

section 14.11.3.15: Doctor of Philosophy (Ph.D.); Bioresource Engineering — Neotropical Environment

This is a research-based degree with a team of co-advisers from McGill and Latin America with the requirements of a one-year residency in Panama or tropical Latin America, three interdisciplinary courses, at least two of them focusing on North-South issues, proficiency in Spanish or Portuguese, one-time off-campus (Panama) fees, and the possibility of NEO-specific fellowships. Only the accredited professors listed on the NEO website can accept students in the option.

section 14.11.3.16: Graduate Certificate in Bioresource Engineering — Integrated Water Resources Management (15 credits)

The Graduate Certificate in Integrated Water Resources Management is for practising professionals who wish to upgrade or focus their skill set to address water management issues. Students are trained in Water Ethics, Law and Policy of Water Management, Freshwater Ecosystems, Health, and Sanitation.

14.11.3.3 Bioresource Engineering Admission Requirements and Application Procedures

14.11.3.3.1 Admission Requirements

Candidates for M.Sc. and Ph.D. degrees and Graduate Certificate should indicate in some detail their fields of special interest when applying for admission. An equivalent cumulative grade point average of 3.0/4.0 (second class–upper division) or 3.2/4.0 during the last two years of full-time university study is required at the bachelor's level. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Experience after the undergraduate degree is an additional asset.

14.11.3.3.2 Application Procedures

Applicants for graduate studies through academic units in the Faculty of Agricultural and Environmental Sciences must forward supporting documents to:

Department of Bioresource Engineering
Macdonald Campus of McGill University
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7774
Fax: 514-398-8387
Email: susan.gregus@mcgill.ca

Applications will be considered upon receipt of a completed application form, $100 application fee, and the following supporting documents:

Transcripts – Two official copies of all university-level transcripts with proof of degree(s) granted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill Honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.
Letters of Recommendation – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant’s work, preferably in the applicant’s area of specialization. It is the applicant’s responsibility to arrange for these letters to be sent.

Competency in English – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 550 on the paper-based test, or 86 on the Internet-based test with each component score not less than 20) or IELTS (minimum overall band 6.5). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use department code 31 (graduate schools), Biological Sciences – Agriculture to ensure that your TOEFL reaches this Office without delay.

Graduate Record Exam (GRE) – The GRE is not required, but it is highly recommended.

Documents submitted will not be returned.

Application Fee (non-refundable) – A fee of $100 Canadian must accompany each application (including McGill students); otherwise, it cannot be considered. This sum must be remitted by credit card only.

Dates for Guaranteed Consideration – For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. It may be necessary to delay review of the applicant’s file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants are encouraged to make use of the online application form available on the web at www.mcgill.ca/gradapplicants/apply.

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Qualifying Students – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year is permitted. Successful completion of a qualifying program does not guarantee admission to a degree program.

14.11.3.4 Bioresource Engineering Faculty

Chair
S.O. Prasher

Graduate Program Director
G.S.V. Raghavan

Associate Graduate Program Director
V. Orsat

Emeritus Professor
R.S. Broughton; B.S.A., B.A.Sc.(Tor.), S.M.(MIT), Ph.D.(McG.), LL.D.(Dal.)

Professor (Post-Retirement)
R. Kok; B.E.Sc., Ph.D.(W. Ont.)

Professors
S. Barrington; B.Sc.(Agr.Eng.), Ph.D.(McG.)
C.A. Madramootoo; B.Sc.(Agr.Eng.), M.Sc., Ph.D.(McG.) (James McGill Professor)
E. McKyes; B.Eng., M.Eng., Ph.D.(McG.)
S.O. Prasher; B.Tech., M.Tech.(Punj.), Ph.D.(Br. Col.), LL.D.(Dal.) (James McGill Professor)
G.S.V. Raghavan; B.Eng.(B'Iore), M.Sc.(Guelph), Ph.D.(Colo. St.), D.Sc.(TNAU) (James McGill Professor)
### Associate Professors

- V.I. Adamchuk; B.Sc. (Kyiv, Ukraine), M.Sc., Ph.D. (Purd.)

### Assistant Professors

- J. Adamowski; B.Eng. (RMC), M.Phil. (Camb.), M.B.A. (WUT, LBS, HEC, NHH), Ph.D. (Warsaw)
- G. Clark; B.Sc. (Alta.), M.Sc., Ph.D. (McG.)
- M. Lefsrud; B.Sc. (Sask.), M.Sc. (Rutg.), Ph.D. (Tenn.)
- V. Orsat; B.Sc., M.Sc., Ph.D. (McG.)

### Adjunct Professors

- J. Boye; B.Sc. (Ghana), Ph.D. (McG.)
- Y. Choi; B.Sc., M.Sc. (South Korea), Ph.D. (McG.)
- M. Clamen; B.Eng., Ph.D. (McG.)
- A. Drizo; B.Sc. (Belgrade), M.Sc., Ph.D. (Edin.)
- S. Gameda; B.Sc., M.Sc., Ph.D. (McG.)
- S. Guiot; Lic.Sc., D.Sc. (Belgium)
- P. Jutras; B.Sc. (McG.), M.Sc. (Montr.), Ph.D. (McG.)
- J. Martinez; M.Sc. (Polytechnic Inst. of Toulouse), Ph.D. (U. of Perpignan)
- P. Savoie; B.Sc. (McG.), M.Sc. (Laval), Ph.D. (Mich. St.)
- B. Tartakovsky; M.Sc., Ph.D. (Moscow State U.)
- C. Vigneault; B.Sc., M.Sc. (Laval), Ph.D. (McG.)
- N. Wang; B.Eng., M.Eng. (Beijing), M.Sc., Ph.D. (Kansas St.)

### Faculty Lecturers

- M. Knutt; M.B.Sc. (W. Ont.), M.A., Ph.D. (Brandeis)
- A. Cherestes; B.Sc., M.Sc. (Queens College), Ph.D. (CUNY)

### Research/Professional Associates

- Y. Gariepy; B.Sc., M.Sc. (McG.)
- D. Lyew; B.Sc., M.Sc., Ph.D. (McG.)
- S. Sotocinal; B.Sc. (Phil.), M.Sc., Ph.D. (McG.)

### Technical

- S. Manktelow

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### 14.11.3.5 Master of Science (M.Sc.); Bioresource Engineering (Thesis) (46 credits)

This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research.

### Thesis Courses (32 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>BREE 691</td>
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<td>M.Sc. Thesis 1</td>
</tr>
<tr>
<td>BREE 692</td>
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<td>M.Sc. Thesis 2</td>
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</tr>
<tr>
<td>BREE 695</td>
<td>4</td>
<td>M.Sc. Thesis 5</td>
</tr>
</tbody>
</table>
Required Courses (5 credits)

- BREE 651 (1) Departmental Seminar M.Sc. 1
- BREE 652 (1) Departmental Seminar M.Sc. 2
- BREE 699 (3) Scientific Publication

Complementary Courses (9 credits)

- 500-, 600-, or 700-level courses in bioresource engineering and other fields to be determined in consultation with the Research Director.

14.11.3.6 Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Environment (46 credits)

Thesis Courses (32 credits)

- BREE 691 (4) M.Sc. Thesis 1
- BREE 692 (4) M.Sc. Thesis 2
- BREE 693 (4) M.Sc. Thesis 3
- BREE 694 (4) M.Sc. Thesis 4
- BREE 695 (4) M.Sc. Thesis 5
- BREE 696 (4) M.Sc. Thesis 6
- BREE 697 (4) M.Sc. Thesis 7
- BREE 698 (4) M.Sc. Thesis 8

Required Courses (11 credits)

- BREE 651 (1) Departmental Seminar M.Sc. 1
- BREE 652 (1) Departmental Seminar M.Sc. 2
- BREE 699 (3) Scientific Publication
- ENV 610 (3) Foundations of Environmental Policy
- ENV 650 (1) Environmental Seminar 1
- ENV 651 (1) Environmental Seminar 2
- ENV 652 (1) Environmental Seminar 3

Complementary Courses (3 credits)

Chosen from the following:

- ENV 519 (3) Global Environmental Politics
- ENV 544 (3) Environmental Measurement and Modelling
- ENV 580 (3) Topics in Environment 3
- ENV 611 (3) The Economy of Nature
- ENV 620 (3) Environment and Health of Species
- ENV 622 (3) Sustainable Landscapes
- ENV 630 (3) Civilization and Environment 1
- ENV 680 (3) Topics in Environment 4
or another 500-, 600-, or 700-level course recommended by the advisory committee and approved by the Environment Option Committee.

### 14.11.3.7 Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Neotropical Environment (46 credits)

#### Thesis (32 credits)

<table>
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<th>Notes</th>
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<td>M.Sc. Thesis 1</td>
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<tr>
<td>BREE 692</td>
<td>4</td>
<td>M.Sc. Thesis 2</td>
</tr>
<tr>
<td>BREE 693</td>
<td>4</td>
<td>M.Sc. Thesis 3</td>
</tr>
<tr>
<td>BREE 694</td>
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<td>M.Sc. Thesis 4</td>
</tr>
<tr>
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<td>4</td>
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<tr>
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<td>M.Sc. Thesis 6</td>
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<td>BREE 697</td>
<td>4</td>
<td>M.Sc. Thesis 7</td>
</tr>
<tr>
<td>BREE 698</td>
<td>4</td>
<td>M.Sc. Thesis 8</td>
</tr>
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</table>

#### Required Courses (11 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 640</td>
<td>3</td>
<td>Tropical Biology and Conservation</td>
</tr>
<tr>
<td>BREE 651</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 1</td>
</tr>
<tr>
<td>BREE 652</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 2</td>
</tr>
<tr>
<td>BREE 699</td>
<td>3</td>
<td>Scientific Publication</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
</tbody>
</table>

Note: Participation in the MSE-Panama Symposium presentation in Montreal is required.

#### Elective Course (3 credits)

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

### 14.11.3.8 Master of Science (M.Sc.); Bioresource Engineering (Non-Thesis) — Integrated Water Resource Management (45 credits)

#### Research Project (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 631</td>
<td>6</td>
<td>Integrated Water Resources Management Project</td>
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</tbody>
</table>

#### Required Courses (30 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 510</td>
<td>3</td>
<td>Watershed Systems Management</td>
</tr>
<tr>
<td>BREE 533</td>
<td>3</td>
<td>Water Quality Management</td>
</tr>
<tr>
<td>BREE 630</td>
<td>13</td>
<td>Integrated Water Resources Management Internship</td>
</tr>
<tr>
<td>BREE 651</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 1</td>
</tr>
<tr>
<td>BREE 652</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 2</td>
</tr>
<tr>
<td>BREE 655</td>
<td>3</td>
<td>Integrated Water Resources Management Research Visits</td>
</tr>
<tr>
<td>NRSC 512</td>
<td>3</td>
<td>Water: Ethics, Law and Policy</td>
</tr>
<tr>
<td>PARA 515</td>
<td>3</td>
<td>Water, Health and Sanitation</td>
</tr>
</tbody>
</table>

#### Complementary Courses (9 credits)

9 credits selected as follows:

6 credits of any relevant graduate-level course(s) chosen in consultation with the Program Director.
3 credits of any graduate-level Statistics course chosen in consultation with the Program Director.

**14.11.3.9 Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) (45 credits)**

The non-thesis option is aimed toward individuals already employed in industry or seeking to improve their skills in specific areas (soil and water/structures and environment/waste management/environment protection/post-harvest technology/food process engineering/environmental engineering) in order to enter the engineering profession at a higher level.

Candidates must meet the qualifications of a professional engineer either before or during their M.Sc. Applied program.

Each candidate for this option is expected to establish and maintain contact with his/her academic adviser in the Department of Bioresource Engineering some time before registration in order to clarify objectives, investigate project possibilities and plan a program of study.

**Research Project (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 671</td>
<td>6</td>
<td>Project 1</td>
</tr>
<tr>
<td>BREE 672</td>
<td>6</td>
<td>Project 2</td>
</tr>
</tbody>
</table>

**Required Courses (2 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 651</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 1</td>
</tr>
<tr>
<td>BREE 652</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 2</td>
</tr>
</tbody>
</table>

**Complementary Courses (31 credits)**

31 credits of 500-, 600-, or 700-level courses in bioresource engineering and other fields* to be determined in consultation with the Project Director.

* Note: 12 of the 31 credits are expected to be from collaborative departments, e.g., food process engineering: 12 credits divided between Food Science and Chemical Engineering.

**14.11.3.10 Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Environment (45 credits)**

Candidates must meet the qualifications of a professional engineer either before or during their M.Sc. Applied program.

**Research Project (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 671</td>
<td>6</td>
<td>Project 1</td>
</tr>
<tr>
<td>BREE 672</td>
<td>6</td>
<td>Project 2</td>
</tr>
</tbody>
</table>

**Required Courses (8 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 651</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 1</td>
</tr>
<tr>
<td>BREE 652</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 2</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
</tbody>
</table>

**Complementary Courses (25 credits)**

3 credits from the following courses below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>3</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>ENVR 544</td>
<td>3</td>
<td>Environmental Measurement and Modelling</td>
</tr>
<tr>
<td>ENVR 580</td>
<td>3</td>
<td>Topics in Environment 3</td>
</tr>
<tr>
<td>ENVR 611</td>
<td>3</td>
<td>The Economy of Nature</td>
</tr>
<tr>
<td>ENVR 620</td>
<td>3</td>
<td>Environment and Health of Species</td>
</tr>
</tbody>
</table>
or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

22 additional credits of 500-, 600-, or 700-level courses chosen in consultation with the academic adviser.

14.11.3.11 Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Neotropical Environment (45 credits)

Research Project (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 671</td>
<td>6</td>
<td>Project 1</td>
</tr>
<tr>
<td>BREE 672</td>
<td>6</td>
<td>Project 2</td>
</tr>
</tbody>
</table>

Required Courses (8 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 640</td>
<td>3</td>
<td>Tropical Biology and Conservation</td>
</tr>
<tr>
<td>BREE 651</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 1</td>
</tr>
<tr>
<td>BREE 652</td>
<td>1</td>
<td>Departmental Seminar M.Sc. 2</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
</tbody>
</table>

Note: Participation in the MSE-Panama Symposium presentation in Montreal is required.

Complementary Courses (25 credits)

3 credits (one elective course), at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor and the Neotropical Environment Options Director.

22 additional credits of 500-, 600-, or 700-level courses chosen in consultation with the academic adviser.

14.11.3.12 Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Environmental Engineering (45 credits)

This inter-departmental graduate program leads to a master's degree in Environmental Engineering. The objective of the program is to train environmental professionals at an advanced level. The program is designed for individuals with an undergraduate degree in engineering. This non-thesis degree falls within the M.Eng. and M.Sc. programs which are offered in the Departments of Bioresource, Chemical, Civil, and Mining, Metals, and Materials Engineering.

Research Project (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 671*</td>
<td>6</td>
<td>Project 1</td>
</tr>
<tr>
<td>BREE 672</td>
<td>6</td>
<td>Project 2</td>
</tr>
</tbody>
</table>

* BREE 671 may also be taken as part of this requirement.

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREE 533</td>
<td>3</td>
<td>Water Quality Management</td>
</tr>
<tr>
<td>CHEE 591</td>
<td>3</td>
<td>Environmental Bioremediation</td>
</tr>
<tr>
<td>CIVE 615</td>
<td>3</td>
<td>Environmental Engineering Seminar</td>
</tr>
</tbody>
</table>

Complementary Courses (19 credits)

Data Analysis Course
3 credits from the following:

- AEMA 611 (3) Experimental Designs 1
- CIVE 555 (3) Environmental Data Analysis
- PSYC 650 (3) Advanced Statistics 1

**Toxicology Course**

3 credits from the following:

- OCCH 612 (3) Principles of Toxicology
- OCCH 616 (3) Occupational Hygiene

**Water Pollution Engineering Course**

4 credits from the following:

- CIVE 651 (4) Theory: Water / Wastewater Treatment
- CIVE 652 (4) Biological Treatment: Wastewaters
- CIVE 660 (4) Chemical and Physical Treatment of Waters

**Air Pollution Engineering Course**

3 credits from the following:

- CHEE 592 (3) Industrial Air Pollution Control
- MECH 534 (3) Air Pollution Engineering

or an approved 500-, 600-, or 700-level alternative course.

**Environmental Impact Course**

3 credits from the following:

- GEOG 501 (3) Modelling Environmental Systems
- GEOG 551 (3) Environmental Decisions

or an approved 500-, 600-, or 700-level alternative course.

**Environmental Policy Course**

3 credits from the following:

- URBP 506 (3) Environmental Policy and Planning

or an approved 500-, 600-, or 700-level alternative course.

Further complementary courses (balance of coursework to meet the 45-credit program requirement):

Remaining Engineering or Non-Engineering courses from an approved list of courses, at the 500, 600, or 700 level, from the Faculty of Engineering, Faculty of Agricultural and Environmental Sciences, Faculty of Law, Faculty of Religious Studies, Desautels Faculty of Management, and Departments of Atmospheric and Oceanic Sciences, Biology, Chemistry, Earth and Planetary Sciences, Economics, Epidemiology and Biostatistics, Geography, Occupational Health, Political Science, Sociology, and the McGill School of Environment.

**14.11.3.13 Doctor of Philosophy (Ph.D.); Bioresource Engineering**

Candidates for the Ph.D. degree will normally register for the M.Sc. degree first. In cases where the research work is proceeding very satisfactorily, or where the equivalent of the M.Sc. degree has been completed previously, candidates may be permitted to proceed directly to the Ph.D. degree.

**Thesis**

**Required Courses**
Complementary Courses

Courses of study selected for a Ph.D. program will depend on the existing academic qualifications of the candidate, and on those needed for effective pursuit of research in the chosen field. Candidates are encouraged to take an additional course of study of their own choice in some field of the humanities, sciences, or engineering not directly related to their research. The program will be established by consultation of the candidate with a committee that will include the Research Director and at least one other professor.

14.11.3.14 Doctor of Philosophy (Ph.D.); Bioresource Engineering — Environment

Thesis

Required Courses

Note: BREE 701, the comprehensive component, must be taken either late in the first, or early in the second, registration year to qualify to proceed to the completion of the Ph.D. degree.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BREE 701</td>
<td>(0)</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>BREE 751</td>
<td>(0)</td>
<td>Departmental Seminar Ph.D. 1</td>
</tr>
<tr>
<td>BREE 752</td>
<td>(0)</td>
<td>Departmental Seminar Ph.D. 2</td>
</tr>
<tr>
<td>BREE 753</td>
<td>(0)</td>
<td>Departmental Seminar Ph.D. 3</td>
</tr>
<tr>
<td>BREE 754</td>
<td>(0)</td>
<td>Departmental Seminar Ph.D. 4</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>(3)</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>(1)</td>
<td>Environmental Seminar 1</td>
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<tr>
<td>ENVR 651</td>
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</tr>
<tr>
<td>ENVR 652</td>
<td>(1)</td>
<td>Environmental Seminar 3</td>
</tr>
</tbody>
</table>

Complementary Courses

One course chosen from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>(3)</td>
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<tr>
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<tr>
<td>ENVR 611</td>
<td>(3)</td>
<td>The Economy of Nature</td>
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<td>ENVR 620</td>
<td>(3)</td>
<td>Environment and Health of Species</td>
</tr>
<tr>
<td>ENVR 622</td>
<td>(3)</td>
<td>Sustainable Landscapes</td>
</tr>
<tr>
<td>ENVR 630</td>
<td>(3)</td>
<td>Civilization and Environment 1</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>(3)</td>
<td>Topics in Environment 4</td>
</tr>
</tbody>
</table>

or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

14.11.3.15 Doctor of Philosophy (Ph.D.); Bioresource Engineering — Neotropical Environment

Thesis

Required Courses
BIOL 640 (3) Tropical Biology and Conservation
BREE 701 (0) Ph.D. Comprehensive Examination
BREE 751 (0) Departmental Seminar Ph.D. 1
BREE 752 (0) Departmental Seminar Ph.D. 2
BREE 753 (0) Departmental Seminar Ph.D. 3
BREE 754 (0) Departmental Seminar Ph.D. 4
ENVR 610 (3) Foundations of Environmental Policy

Note: Participation in the MSE-Panama Symposium presentation in Montreal is required.

Elective Course (3 credits)
3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

14.11.3.16 Graduate Certificate in Bioresource Engineering — Integrated Water Resources Management (15 credits)

Required Courses (9 credits)
NRSC 512 (3) Water: Ethics, Law and Policy
NRSC 514 (3) Freshwater Ecosystems
PARA 515 (3) Water, Health and Sanitation

Complementary Courses (6 credits)
3 credits from the following:
BREE 533 (3) Water Quality Management
CIVE 550 (3) Water Resources Management

and 3 credits from the list available in the Department chosen in consultation with the Academic Adviser.

14.11.4 Dietetics and Human Nutrition

14.11.4.1 Location
School of Dietetics and Human Nutrition
Macdonald-Stewart Building, Room MS2-039
McGill University, Macdonald Campus
2111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada
Telephone: 514-398-7762
Fax: 514-398-7739
Email: lise.grant@mcgill.ca
Website: www.mcgill.ca/dietetics

14.11.4.2 About Dietetics and Human Nutrition
In the School of Dietetics and Human Nutrition, cutting-edge nutrition research is conducted by its 10 tenure-track professors and six faculty lecturers in all areas recommended by North American Nutrition Societies. These include molecular and cellular nutrition, clinical, community, and international nutrition. Domains emphasized by School researchers include epigenetics, proteomics, and metabolomics, embryonic, and fetal origins of health and disease, the development of improved recommendations and policies for optimizing health in at-risk populations including Aboriginal populations, mothers and children, and the elderly, and the development of novel nutritional and/or nutraceutical approaches for treatment during surgery and recover from disease.
Research is conducted in our on-site research labs, the Centre for Indigenous Peoples' Nutrition and Environment (CINE), the Mary Emily Clinical Nutrition Research unit, and the MUHC Teaching Hospitals. Students can conduct research or participate in clinical rotations with the BITS – Barbados, IDRC – Ghana and field sites in Asia, Africa, and Latin America.

**section 14.11.4.5: Master of Science (M.Sc.); Human Nutrition (Thesis) (45 credits)**

A master’s degree in Human Nutrition offers advanced Nutrition courses in a broad range of research areas. The program is suitable for students with an undergraduate degree in nutritional sciences, exercise physiology, kinesiology, food science, biochemistry, medicine, or another closely related field. Students are required to complete 14 credits in advanced nutrition coursework plus 31 credits related to their thesis research. Graduates of our M.Sc. thesis degree have pursued successful careers in research, international health agencies, government agencies, and industry.

**section 14.11.4.6: Master of Science, Applied (M.Sc.A.); Human Nutrition (Thesis) — Project (45 credits)**

The M.Sc. Applied program is a course-based master’s aimed to attract dietitians and graduates from a B.Sc. in Nutritional Sciences. This program will allow students to further develop knowledge and expertise in nutrition and develop their expertise in specific nutrition areas. Students are required to complete 29 credits in advanced nutrition courses plus 16 credits related to a research paper or an advanced practicum (reserved for registered dietitians). McGill is the only English-speaking university that offers this program in Quebec. Careers include managerial positions for practicing dietitians, and careers in nutrition programs, government, and industry.

**section 14.11.4.8: Graduate Diploma in Registered Dietitian Credentialing (30 credits)**

In the School of Dietetics and Human Nutrition at McGill, students pursuing a graduate degree in nutrition have the opportunity to take a Graduate Diploma in R.D. Credentialing, upon completion of the M.Sc. or Ph.D. program. We are the only university in Quebec and much of Canada that offers this opportunity. This Diploma consists of two semesters of Stage (internship) in Clinical Nutrition, Community Nutrition, and Foodservice Systems Management. Upon completion of the Diploma, the recipient is eligible to register and practice as a Dietitian in Quebec, as well as in other Canadian provinces and other countries.

**section 14.11.4.9: Doctor of Philosophy (Ph.D.); Human Nutrition**

A Ph.D. degree in Human Nutrition is suitable for students with an M.Sc. degree in Nutritional Sciences or related areas who wish to become independent researchers and/or leaders in the field of nutritional sciences. The School offers a stimulating research environment with opportunities in a wide range of areas of basic science, clinical research with our many hospital clinicians, as well as population health in Canada and abroad. Careers include academic, senior government, and industry positions within in Canada and internationally.

**14.11.4.3 Dietetics and Human Nutrition Admission Requirements and Application Procedures**

**14.11.4.3.1 Admission Requirements**

**M.Sc. Thesis and M.Sc. Applied (Project or Practicum)**

Applicants must be graduates of a university of recognized reputation and hold a B.Sc. degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. Applicants must have at least a cumulative grade point average (CGPA) in McGill University’s credit equivalency of 3.2/4.0 (second class – upper division) during their bachelor's degree program. All eligible candidates to the M.Sc. Applied program may select the project option; those who have completed a dietetic internship and six months’ work experience are eligible to apply for a practicum option.

**Ph.D.**

Applicants must be graduates of a university of recognized reputation and hold a B.Sc. and M.Sc. degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. Applicants must have at least a cumulative grade point average (CGPA) in McGill University’s credit equivalency of 3.2/4.0 (second class – upper division) during their bachelor's and master's degree programs.

**Graduate Diploma in R.D. Credentialing**

For information on admissions requirements, applicants must contact Dr. Maureen Rose in the School of Dietetics and Human Nutrition.

**14.11.4.3.2 Application Procedures**

Applicants for graduate studies must forward supporting documents to:

School of Dietetics and Human Nutrition  
McGill University, Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue, QC H9X 3V9  
Canada  

Telephone: 514-398-7762  
Fax: 514-398-7739  
Email: lise.grant@mcgill.ca
Applications will be considered upon receipt of a completed online application form, $100 application fee, current résumé, statement describing reasons for interest in the program and career goals, and the following supporting documents:

**Transcripts** – Applicants must submit two official copies of all university-level transcripts with proof that degree(s) were granted. Photocopies are not accepted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent. Transcripts should be sent directly from the issuing institution. When included in an application package, transcripts must be in the original sealed envelopes.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a B.Sc. degree equivalent to a McGill honours degree in a subject closely related to the one selected for graduate work.

**Letters of Recommendation** – Two letters of recommendation on letterhead (official paper), or by email directly from the originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization are minimally required. It is the applicant's responsibility to arrange for these letters to be sent.

**Competency in English** – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 560 on the paper-based test or 86 on the Internet-based test with each component score not less than 20) or IELTS (minimum overall band 6.5). The MCHE is not considered equivalent. The School reserves the right to request TOEFL results. Please contact the School for details. Results must be submitted as part of the application. Use University code 0935 (McGill University, Montreal) to ensure that your TOEFL reaches this office without delay.

**Graduate Record Exam (GRE)** – The GRE is required for all applicants to the School of Dietetics and Human Nutrition who are submitting non-Canadian and non-U.S. transcripts.

**Submitted documents will not be returned.**

**Application Fee (non-refundable)** – A fee of CAD$100 must accompany each application (including McGill students), otherwise it cannot be considered. This sum must be remitted by credit card only.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. It may be necessary to delay review of the applicant’s file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. All applicants must use the online application form available on the web at www.mcgill.ca/gradapplicants/apply.

**Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.**

Final acceptance to the M.Sc. (Thesis) and Ph.D. programs depends on a staff member agreeing to serve as the student's supervisor. A supervisor is not required for acceptance to the M.Sc. (Applied) program. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student's supervisor. While the school cannot guarantee financial support, teaching assistantships and other scholarships may be available.

**Qualifying Students** – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program if they have met the School's minimum CGPA of 3.2 out of 4.0. The course(s) to be taken in a Qualifying Program will be prescribed by the academic unit. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (two terms) is permitted. Successful completion of a qualifying program does not guarantee admission to a degree program. Students must re-apply for admission to a degree program.

### 14.11.4.4 Dietetics and Human Nutrition Faculty

**Director**

Kristine G. Koski

**Professor Emerita**

Harriet V. Kuhnlein; B.S. (Penn. St.), M.S. (Ore. St.), Ph.D. (Calif.), R.D. (joint appt. with Faculty of Medicine)

**Professors**

Luis B. Agellon; B.Sc., Ph.D. (McM.) (Canada Research Chair)

Tim A. Johns; B.Sc. (McM.), M.Sc. (Br. Col.), Ph.D. (Mich.) (joint appt. with Plant Science)

**Associate Professors**

Grace Egeland; B.A. (Luther College), Ph.D. (Pitts.) (Canada Research Chair)

Katherine Gray-Donald; B.Sc., Ph.D. (McG.), R.D. (joint appt. with Epidemiology and Biostatistics, Faculty of Medicine)

Kristine G. Koski; B.S., M.S. (Wash.), Ph.D. (Calif.), R.D. (joint appt. with the Division of Experimental Medicine, Faculty of Medicine)

Stan Kubow; B.Sc. (McG.), M.Sc. (Tor.), Ph.D. (Guelph)
### Associate Professors

- Grace S. Marquis; B.A.(Ind.), M.Sc.(Mich. St.), Ph.D.(C'nell) (*Canada Research Chair*)
- Louise Thibault; B.Sc., M.Sc., Ph.D.(Laval), Dt. P.
- Hope Weiler; B.A.Sc.(Guelph), Ph.D.(McM.), R.D. (*Canada Research Chair*)
- Linda J. Wykes; B.Sc., M.Sc., Ph.D.(Tor.) (*William Dawson Scholar*)

### Faculty Lecturers

- Linda Jacobs Starkey; B.Sc.(Mt. St. Vin.), M.Sc., Ph.D.(McG.), R.D., F.D.C. (*Associate Dean of Students*) *(Interim – TBA)*
- Mary Hendrickson-Nelson; B.A.(St. Benedict), B.Sc.(Minn.), M.Sc.(Colo. St.), Dt. P.
- Sandy Phillips; B.Sc., M.Sc.(A.) (McG.), Dt. P. (*interim – University Coordinator, Professional Practice (Stage) in Dietetics*)
- Hughes Plourde; B.Sc.(McG.), M.Sc.(Montr.), Dt. P.
- Maureen Rose; B.Sc., M.Ed., Ph.D.(McG.), Dt. P.

### Associate Members

- Anaesthesia: Franco Carli, Ralph Lattermann, Thomas Schricker
- Food Science & Agricultural Chemistry: Selim Kermasha
- Kinesiology: Ross Andersen
- Parasitology: Marilyn E. Scott
- Medicine: Louis Beaumier, Réjeanne Gougeon, L. John Hoffer, Larry Lands, Errol B. Marliss, Thomas Schricker, Jean-François Yale, José Morais, Stéphanie Chevalier, Celia Rodd

### Adjunct Professors

- Laurie Chan (*UNBC*)
- Kevin A. Cockell (*Health Canada*)

### 14.11.4.5 Master of Science (M.Sc.): Human Nutrition (Thesis) (45 credits)

#### Thesis Courses (31 credits)

<table>
<thead>
<tr>
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<td>NUTR 682</td>
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<tr>
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#### Required Courses (2 credits)

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<tr>
<th>Course</th>
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<td>Human Nutrition Seminar 1</td>
</tr>
<tr>
<td>NUTR 696</td>
<td>1</td>
<td>Human Nutrition Seminar 2</td>
</tr>
</tbody>
</table>

#### Complementary Courses (12 credits)

- 3 credits in graduate-level statistics
- 3 credits in graduate-level research methods
- 3-6 credits in graduate-level courses (chosen in consultation with supervisory committee)
- 0-3 credits:
### 14.11.4.6 Master of Science, Applied (M.Sc.A.); Human Nutrition (Non-Thesis) — Project (45 credits)

#### Research Project (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>NUTR 652</td>
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<td>M.Sc. (Applied) Project 1</td>
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<tr>
<td>NUTR 653</td>
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<td>3</td>
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<tr>
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#### Required Courses (6 credits)

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<tr>
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</tr>
<tr>
<td>NUTR 696</td>
<td>1</td>
<td>Human Nutrition Seminar 2</td>
</tr>
</tbody>
</table>

#### Complementary Courses (18 credits)

- 3 credits of 500-level or higher Statistics.
- 3 credits in research methods at the 500 level or higher
- 12 credits of course work, at the 500 level or higher, in Nutrition, Animal Science, or Food Science chosen in consultation with the student's supervisor.

#### Elective Courses (9 credits)

- 9 credits of 500-level or higher courses in consultation with the student’s academic adviser or supervisor.

### 14.11.4.7 Master of Science, Applied (M.Sc.A.); Human Nutrition (Non-Thesis) — Practicum (45 credits)

#### Practicum (12 credits)

<table>
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<td>M.Sc. (Applied) Practicum 1</td>
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<tr>
<td>NUTR 657</td>
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<tr>
<td>NUTR 658</td>
<td>3</td>
<td>M.Sc. (Applied) Practicum 3</td>
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<tr>
<td>NUTR 659</td>
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<td>M.Sc. (Applied) Practicum 4</td>
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</table>

#### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUTR 651</td>
<td>3</td>
<td>M.Sc. (Applied) Nutrition 1</td>
</tr>
<tr>
<td>NUTR 660</td>
<td>1</td>
<td>M.Sc. (Applied) Nutrition 2</td>
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<tr>
<td>NUTR 695</td>
<td>1</td>
<td>Human Nutrition Seminar 1</td>
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<tr>
<td>NUTR 696</td>
<td>1</td>
<td>Human Nutrition Seminar 2</td>
</tr>
</tbody>
</table>

#### Complementary Courses (18 credits)

- 3 credits in statistics at the 500 level or higher
- 3 credits in research methods at the 500 level or higher
- 12 credits of course work, at the 500 level or higher, in Nutrition, Animal Science, or Food Science chosen in consultation with the student's supervisor.

#### Elective Courses (9 credits)
9 credits of 500-level or higher courses in consultation with the student’s academic adviser or supervisor.

### 14.11.4.8 Graduate Diploma in Registered Dietitian Credentialing (30 credits)

The Graduate Diploma is open to students who have completed a graduate degree with the School of Dietetics and Human Nutrition including NUTR 513 Credentialing in Dietetics.

**Required Courses (30 credits)**

- **NUTR 612** (8) Graduate Professional Practice 2 Management
- **NUTR 613** (14) Graduate Professional Practice 3 Clinical Nutrition
- **NUTR 614** (8) Graduate Professional Practice 4 Community Nutrition

### 14.11.4.9 Doctor of Philosophy (Ph.D.); Human Nutrition

**Thesis**

**Required Courses**

- **NUTR 701** (0) Doctoral Comprehensive Examination
- **NUTR 797** (1) Human Nutrition Seminar 3
- **NUTR 798** (1) Human Nutrition Seminar 4

### 14.11.5 Food Science and Agricultural Chemistry

#### 14.11.5.1 Location

Department of Food Science and Agricultural Chemistry  
Macdonald-Stewart Building, Room MS1-034  
Macdonald Campus of McGill University  
2111 Lakeshore Road  
Sainte-Anne-de-Bellevue, QC H9X 3V9  
Canada  
Telephone: 514-398-7898  
Fax: 514-398-7977  
Email: foodscience@mcgill.ca  
Website: www.mcgill.ca/foodscience

#### 14.11.5.2 About Food Science and Agricultural Chemistry

The Department of Food Science and Agricultural Chemistry offers both M.Sc. (thesis and non-thesis) and Ph.D. programs. These programs provide training in evolving interdisciplinary areas of food quality, food safety, food chemistry, food biotechnology, functional ingredients, applied infrared spectroscopy, food processing, thermal generation of aromas and toxicants, marine biochemistry, and food toxicology. The Department has key infrastructure with all major equipment necessary for conducting research in all these areas. Our graduate program provides strong mentoring/advisory support while maintaining high flexibility for individual research projects.

**section 14.11.5.5: Master of Science (M.Sc.); Food Science and Agricultural Chemistry (Non-Thesis) (45 credits)**

The program offers advanced food science courses in a broad range of areas. It is suitable for students with an undergraduate degree in food science or a closely related discipline. Entry is possible from other disciplines; however, students will be expected to do a qualifying term or year to pick up relevant courses to orient themselves to food science. Students are required to complete a total of 45 credits (10 graduate-level courses, a seminar course, and a research project). Subsequent career paths include work with food industry and government agencies.

**section 14.11.5.6: Master of Science (M.Sc.); Food Science and Agricultural Chemistry (Thesis) (45 credits)**

This program is a research-based degree in various areas of related to food science for candidates entering the M.Sc. program without restrictions (i.e., not requiring a qualifying term/year); the M.Sc. degree consists of 45 graduate credits. These credits are obtained through a combination of graduate courses (15 credits) and a research thesis (30 credits). Entry into the M.Sc. (thesis option) also hinges on the availability of supervisory staff and financing. However, it is advisable that the applicant for the M.Sc. degree, if the applicant so wishes, select the non-thesis M.Sc. option as a second choice in the application
section 14.11.5.6: Master of Science (M.Sc.); Food Science and Agricultural Chemistry (Thesis) (45 credits)

form, to ensure admission to the Food Science graduate program. Subsequent career paths include work with food industry, government agencies, and in research.

section 14.11.5.7: Doctor of Philosophy (Ph.D.); Food Science and Agricultural Chemistry

A Ph.D. in food science is suitable for students with a M.Sc. degree in food science or related areas who wish to become independent researchers and/or leaders in the field of food sciences. Candidates with a B.Sc. degree applying for the Ph.D. need to register first for the M.Sc. degree. In cases where the candidates are proceeding well during their first year, they may be permitted to proceed to the Ph.D. degree. Entry into the Ph.D. graduate program hinges on the availability of supervisory staff and financing.

14.11.5.3 Food Science and Agricultural Chemistry Admission Requirements and Application Procedures

14.11.5.3.1 Admission Requirements

Applicants to the M.Sc. programs must be graduates of a university of recognized reputation and hold a B.Sc. in Food Science or a related discipline such as Chemistry, Biochemistry, or Microbiology with a minimum cumulative grade point average (CGPA) of 3.0/4.0 (second class–upper division) and 3.2/4.0 during the last two years of full-time university study. Applicants to the Ph.D. program must hold a M.Sc. degree in Food Science or related areas with a minimum CGPA of 3.4 in their M.Sc. and 3.2 for the last two years of their B.Sc. degree. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

14.11.5.3.2 Application Procedures

Applicants for graduate studies must forward supporting documents to:

Graduate Program Admissions
Department of Food Science and Agricultural Chemistry
Macdonald-Stewart Building, Room MS1-034
Macdonald Campus of McGill University
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7898
Fax: 514-398-7977
Email: foodsScience@mcgill.ca

Applications will be considered upon receipt of a completed application form, $100 application fee, and the following supporting documents:

Transcripts – Two official copies of all university-level transcripts with proof of degree(s) granted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant’s university is essential. It is the applicant’s responsibility to arrange for transcripts to be sent.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor’s degree equivalent to a McGill Honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

Letters of Recommendation – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant’s work, preferably in the applicant’s area of specialization. It is the applicant’s responsibility to arrange for these letters to be sent.

Competency in English – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 550 on the paper-based test or 86 on the Internet-based test with each component not less than 20) or IELTS (minimum overall band 6.5). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use Department code 31(Graduate Schools), Biological Sciences – Agriculture, to ensure that your TOEFL reaches this office without delay.

Graduate Record Exam (GRE) – The GRE is not required, but it is highly recommended.

Submitted documents will not be returned.

Application and Fee

The online application form is available on the web at www.mcgill.ca/gradapplicants/apply.

- Complete the online application form ($100 non-refundable fee (including McGill Students); VISA or MasterCard accepted). Applications will not be processed without payment.
- It should take you approximately 30 minutes to complete the online application. You may stop at any time and finish later by re-entering your Login ID and PIN number.
- You can apply to two programs in different academic units (departments, schools, or institutes), on the same online application form.
• Do not apply to a thesis and a non-thesis master's program within the same academic unit as two separate choices. Select only one program and you can request a change at a later time.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. It may be necessary to delay review of the applicant's file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy.

**Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.**

Final acceptance to the M.Sc. and Ph.D. programs depends on a staff member agreeing to serve as the student's supervisor. A supervisor is not required for acceptance to the M.Sc. Non-Thesis program. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student's supervisor. While the department cannot guarantee financial support, students can apply for teaching assistantships and other scholarships.

**Qualifying Students** – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying Program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year is permitted. **Successful completion of a qualifying program does not guarantee admission to a degree program.**

### 14.11.5.4 Food Science and Agricultural Chemistry Faculty

**Chair**

V. Yaylayan

**Chair of Graduate Program**

S. Karboune

**Professors**

I. Alli; B.Sc.(Guy.), M.Sc., Ph.D.(McG.)

W.D. Marshall; B.Sc.(New Br.), Ph.D.(McM.)

H.S. Ramaswamy; B.Sc.(B’lore), M.Sc., Ph.D.(Br. Col.)

F.R. van de Voort; B.Sc., M.Sc., Ph.D.(Br. Col.)

**Associate Professors**

A.A. Ismail; B.Sc., Ph.D.(McG.)

S. Kermasha; B.Sc.(Baghdad), C.E.S, D.E.A, D.Sc.(Nancy)

B.K. Simpson; B.Sc.(Ghana), Ph.D.(Nfld.)

V.A. Yaylayan; B.Sc.(Beirut), M.Sc., Ph.D.(Alta.)

**Assistant Professors**

M. Chénier; B.Sc.(Laval), M.Sc.(IAF), Ph.D.(McG.)

S. Karboune; B.Sc., M.Sc.(Rabat), D.E.A., Ph.D.(Marseille)

### 14.11.5.5 Master of Science (M.Sc.); Food Science and Agricultural Chemistry (Non-Thesis) (45 credits)

This 45-credit program is offered to candidates who seek further training in Food Science, but do not wish to pursue independent research. These credits are obtained through a combination of graduate courses.

The residence time for a M.Sc. degree (Non-Thesis) is three academic terms.

**Research Project (9 credits)**

<table>
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<td>FDSC 698</td>
<td>4.5</td>
<td>M.Sc. Project Part 2</td>
</tr>
</tbody>
</table>
**Required Courses (6 credits)**

FDSC 695 (3) M.Sc. Graduate Seminar 1  
FDSC 696 (3) M.Sc. Graduate Seminar 2

**Complementary Courses (30 credits)**

A minimum of five courses (15 credits) must be selected from the following list. The remaining credits (at the 500 or 600 level) are chosen in consultation with the academic adviser.

- AGRI 510 (3) Professional Practice  
- FDSC 515 (3) Enzyme Thermodynamics/Kinetics  
- FDSC 519 (3) Advanced Food Processing  
- FDSC 520 (3) Biophysical Chemistry of Food  
- FDSC 530 (3) Advanced Analytical Chemistry  
- FDSC 535 (3) Food Biotechnology  
- FDSC 536 (3) Food Traceability  
- FDSC 537 (3) Nutraceutical Chemistry  
- FDSC 538 (3) Food Science in Perspective  
- FDSC 634 (3) Food Toxins & Toxicants  
- FDSC 651 (3) Principles of Food Analysis 2  
- FDSC 652 (3) Separation Techniques in Food Analysis 2

**14.11.5.6 Master of Science (M.Sc.); Food Science and Agricultural Chemistry (Thesis) (45 credits)**

For candidates entering the M.Sc. program without restrictions, i.e., those not requiring a qualifying term/year, the M.Sc. degree consists of 45 graduate credits. These credits are obtained through a combination of graduate courses and a research thesis.

The residence time for a M.Sc. degree is three academic terms based on unqualified entry into the M.Sc. program. Students are encouraged to complete their studies within this time frame.

**Thesis (30 credits)**

FDSC 690 (8) M.Sc. Literature Review  
FDSC 691 (7) M.Sc. Research Protocol  
FDSC 692 (15) M.Sc. Thesis

**Required Courses (6 credits)**

FDSC 695 (3) M.Sc. Graduate Seminar 1  
FDSC 696 (3) M.Sc. Graduate Seminar 2

**Complementary Courses (9 credits)**

At least 9 credits, normally from 500- or 600-level departmental courses.

**14.11.5.7 Doctor of Philosophy (Ph.D.); Food Science and Agricultural Chemistry**

Candidates will be judged principally on their research ability. Coursework will be arranged in consultation with the student's departmental graduate advisory committee.

**Thesis**

**Required Courses (9 credits)**
Note: Candidates should be prepared to take the Comprehensive Preliminary Examination before the end of the second year of the program.

<table>
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<td>FDSC 725</td>
<td>(3)</td>
<td>Advanced Topics in Food Science</td>
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<tr>
<td>FDSC 797</td>
<td>(3)</td>
<td>Ph.D. Graduate Seminar 1</td>
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<tr>
<td>FDSC 798</td>
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</tbody>
</table>

14.11.6 Natural Resource Sciences

14.11.6.1 Location

Department of Natural Resource Sciences
McGill University, Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7890
Fax: 514-398-7990
Email: info.nrs@mcgill.ca
Website: www.mcgill.ca/nrs

14.11.6.2 About Natural Resource Sciences

The Department of Natural Resource Sciences offers programs leading to M.Sc. and Ph.D. degrees in Entomology (includes Environment and Neotropical Environment Options), Microbiology (includes Bioinformatics and Environment Options), Renewable Resources (includes Forest Science, Micrometeorology, Soil Science and Wildlife Biology with Environment and Neotropical Environment Options available) and an M.Sc. degree in Agricultural Economics. It is also possible for students to pursue doctoral studies through the Department of Economics with Agricultural Economics as a field of specialization. A Non-Thesis option in Environmental Assessment (M.Sc. Ren. Res.) and an inter-disciplinary Option in Bioinformatics for doctoral students are available.

The Department possesses, or has access to, excellent facilities for laboratory and field research. Affiliated with the Department are the Lyman Entomological Museum and Research Laboratory, the Molson Nature Reserve, the Morgan Arboretum, the Avian Science and Conservation Centre, and the Ecomuseum of the St. Lawrence Valley Natural History Society.

Master of Science Degrees

14.11.6.5: Master of Science (M.Sc.); Agricultural Economics (Thesis) (46 credits)

This program provides students with applied economic concepts and tools to identify, define, and analyze economic problems affecting the performance of the agri-food sector and the environment. The ideal prior preparation is an undergraduate degree in Agricultural Economics or Economics, including undergraduate courses in intermediate economic theory (micro and macro), calculus, algebra, statistics and econometrics.

Attention is given to the development of analytical skills in the broad areas of agricultural, environmental and ecological economics. Students may specialize, by way of their research program, in agribusiness, development, finance, marketing and trade, policy, and resource economics. The program prepares graduates for rewarding careers in research, analysis and decision-making in academia, private and NGO sectors, and government.

14.11.6.6: Master of Science (M.Sc.); Entomology (Thesis) (45 credits)

Please contact the Department for more information about this program.

14.11.6.7: Master of Science (M.Sc.); Entomology (Thesis) — Environment (46 credits)

Please contact the Department for more information about this program.

14.11.6.8: Master of Science (M.Sc.); Entomology (Thesis) — Neotropical Environment (48 credits)

Please contact the Department for more information about this program.

14.11.6.9: Master of Science (M.Sc.); Microbiology (Thesis) (45 credits)

Please contact the Department for more information about this program.
**section 14.11.6.10: Master of Science (M.Sc.); Microbiology (Thesis) — Environment (46 credits)**

Please contact the Department for more information about this program.

**section 14.11.6.11: Master of Science (M.Sc.); Renewable Resources (Thesis) (45 credits)**

(including Micrometeorology, Forest Science, Soil Science and Wildlife Biology as areas of research)

**section 14.11.6.12: Master of Science (M.Sc.); Renewable Resources (Thesis) — Environment (46 credits)**

Please contact the Department for more information about this program.

**section 14.11.6.13: Master of Science (M.Sc.); Renewable Resources (Thesis) — Neotropical Environment (48 credits)**

Please contact the Department for more information about this program.

**section 14.11.6.14: Master of Science (M.Sc.); Renewable Resources (Non-Thesis) — Environmental Assessment (45 credits)**

The Non-Thesis Master’s in Renewable Resources: Environmental Assessment Option is normally taken over a one year cycle beginning in the winter term and concluding in the autumn term. It is comprised of three inter-related elements: graduate level courses, primarily given in the winter term, a summer term internship and a project related research paper which is completed in the autumn term.

The program is aimed at environmental assessment professionals and advanced environmental science scholars planning for careers in the public and private sector agencies which guide environmental impact assessment, integrated assessment and sustainable development in Canada and internationally.

McGill's Non-Thesis Master’s in Environmental Assessment is offered in conjunction with a Memorandum of Understanding with the United Nations Environment Program (UNEP - 2003) which designates the Faculty of Agricultural and Environmental Sciences as a UNEP Collaborating Centre on Environmental Assessment. An important component of the MOU is that the Faculty advance teaching and training through the development of course offerings which enable students to prepare for contributing to sustainable development by utilizing the excellent materials provided by UNEP and other national and international agencies.

**Ph.D. Degrees in Entomology, Microbiology, or Renewable Resources**

(Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology)

**section 14.11.6.15: Doctor of Philosophy (Ph.D.); Entomology**

Please contact the Department for more information about this program.

**section 14.11.6.16: Doctor of Philosophy (Ph.D.); Microbiology**

Please contact the Department for more information about this program.

**section 14.11.6.17: Doctor of Philosophy (Ph.D.); Renewable Resources**

Please contact the Department for more information about this program.

**section 14.11.6.18: Doctor of Philosophy (Ph.D.); Entomology — Environment**

Please contact the Department for more information about this program.

**section 14.11.6.19: Doctor of Philosophy (Ph.D.); Entomology — Neotropical Environment**

Please contact the Department for more information about this program.

**section 14.11.6.20: Doctor of Philosophy (Ph.D.); Microbiology — Bioinformatics**

Please contact the Department for more information about this program.

**section 14.11.6.21: Doctor of Philosophy (Ph.D.); Microbiology — Environment**

Please contact the Department for more information about this program.

**section 14.11.6.22: Doctor of Philosophy (Ph.D.); Renewable Resources — Environment**

Please contact the Department for more information about this program.
Please contact the Department for more information about this program.

14.11.6.3 Natural Resource Science Admission Requirements and Application Procedures

14.11.6.3.1 Admission Requirements

M.Sc. Thesis (Agricultural Economics)

Direct admission to the M.Sc. requires the completion of a B.Sc. in Agricultural Economics or a closely related area, with the equivalent cumulative grade point average of 3.0/4.0 (second class – upper division) or 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

The ideal preparation includes courses in agricultural economics, economic theory (intermediate micro and macro), calculus, linear algebra, and statistics. Students with deficiencies in these areas will be required to take additional courses as part of their degree program.

M.Sc. Thesis (Entomology, Microbiology, Renewable Resources)

Candidates are required to have a bachelor's degree with an equivalent cumulative grade point average of 3.0/4.0 (second class – upper division) or 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

M.Sc. in Renewable Resources (Non-Thesis) – Environmental Assessment Option

Candidates are required to have a bachelor's degree in a relevant subject, with an equivalent cumulative grade point average of 3.0/4.0 (second class – upper division) or 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Applicants should also have at least one year of professional experience in environmental assessment or a similar field.

Ph.D. Thesis (Entomology, Microbiology, Renewable Resources)

Candidates, normally, are required to hold a M.Sc. degree and will be judged primarily on their ability to conduct an original and independent research study.

14.11.6.3.2 Application Procedures

(For all programs excluding the Environmental Assessment Option)

Applicants for graduate studies must forward supporting documents to:

Department of Natural Resource Sciences
Graduate Student Office
McGill University, Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7941
Fax: 514-398-7990
Email: marie.kubecki@mcgill.ca

Applications will be considered upon receipt of the online application form, $100 application fee, and the following supporting documents:

Transcripts – Two official copies of all university-level transcripts with proof of degree(s) granted are required for admission. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill Honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

Letters of Recommendation – Two letters of recommendation on official letterhead of the originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization. It is the applicant's responsibility to arrange for these letters to be sent.

Competency in English – Non-Canadian applicants whose mother tongue is not English, who did not graduate from a Canadian institution (anglophone or francophone), and who have not completed an undergraduate degree using the English language are required to submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 550 on the paper-based test or 86 on the Internet-based test with each component score not less than 20) or IELTS (minimum overall band 6.5). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use Department code 31 (Graduate Schools), Biological Sciences – Agriculture, to ensure that your TOEFL reaches this office without delay.

For entrance into the master’s program in Agricultural Economics the following test scores are required: TOEFL (minimum score 570 on the paper-based test or 88 on the Internet-based test with each component score not less than 20) or IELTS (minimum 7 overall band).

Graduate Record Exam (GRE) – The GRE is not required, but it is highly recommended.
Application Fee (non-refundable) – A fee of $100 Canadian must accompany each application (including McGill students); otherwise, it cannot be considered. This fee must be remitted by credit card only.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. It may be necessary to delay review of the applicant’s file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants are encouraged to make use of the online application form available on the web at www.mcgill.ca/gradapplicants/apply. Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.

Acceptance to all programs normally depends on a staff member agreeing to serve as the student’s supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student’s supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

Qualifying Students – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying Program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year is permitted. Successful completion of a Qualifying Program does not guarantee admission to a degree program.

14118321 Application Procedures for Environmental Assessment Option (Non-Thesis)

Applicants for graduate studies in the Non-Thesis Environmental Assessment Option must forward supporting documents to:

Department of Natural Resource Sciences
Environmental Assessment Office
McGill University, Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7890
Fax: 514-398-7990

Applications will be considered upon receipt of:

1. the online application form and $100 application fee;
2. two official copies of all university-level transcripts with proof of degree(s) granted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant’s university is essential. If transcripts contain course numbers only, please submit a list of the titles of courses taken in the major subject;
3. two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant’s work, preferably in the applicant’s area of specialization. If the degree was awarded more than five years ago, letters of recommendation can be written by employers rather than professors;
4. a curriculum vitae;
5. letter of intent outlining the applicant’s reasons for wishing to pursue the program of study.

It is the applicant’s responsibility to arrange for the following documents to be sent:

DOCUMENTS SUBMITTED WILL NOT BE RETURNED.

Competency in English – Non-Canadian applicants whose mother tongue is not English, who did not graduate from a Canadian institution (anglophone or francophone) and who have not completed an undergraduate degree using the English language, are required to submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 570 on the paper-based test or 88 on the Internet-based test with each component score not less than 20) or IELTS (minimum 7 overall band). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use Department code 31 (Graduate Schools), Biological Sciences – Agriculture, to ensure that your TOEFL reaches this office without delay.

Application Fee (non-refundable) – A fee of $100 Canadian must accompany each application (including McGill students); otherwise, it cannot be considered. This fee must be remitted by credit card only.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. It may be necessary to delay review of the applicant’s file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. Applicants are encouraged to make use of the online application form available on the web at www.mcgill.ca/gradapplicants/apply. Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.
14.11.6.4 Natural Resource Sciences Faculty

**Chair**

B. Côté

**Program Director - Agricultural Economics**

J.C. Henning

**Graduate Program Director**

I.B. Strachan

**Emeritus Professors**

N.N. Barthakur; B.Sc.(Gauh.), M.Sc.(Alld.), Ph.D.(Sask.); *Agricultural Physics*

E.S. Idziak; B.Sc.(Agr.), M.Sc.(McG.), D.Sc.(Delft); *Microbiology*

A.F. MacKenzie; B.S.A., M.Sc.(Sask.), Ph.D.(Cnll); *Soil Science*

R.A. MacLeod; B.A., M.A.(Br. Col.), Ph.D.(Wisc.), F.R.S.C.; *Microbiology*

P.H. Schuepp; Dipl.Sc.Nat.(Zürr.), Ph.D.(Tor.); *Agricultural Physics*

R.K. Stewart; B.Sc.(Agr.), Ph.D.(Glas.); *Entomology*

**Professors**

D.M. Bird; B.Sc.(Guelph), M.Sc., Ph.D.(McG.); *Wildlife Biology*

P. Brown; B.A.(Haver.), M.A., Ph.D.(Col.); *Environmental Policy and Ethics (joint appt. with Geography and McGill School of Environment)*

J.W. Fyles; B.Sc., M.Sc.(Vic., BC), Ph.D.(Alta.); *Forest Resources (Tomlinson Chair in Forestry)*

W.H. Hendershot; B.Sc.(Tor.), M.Sc.(McG.), Ph.D.(Br. Col.); *Soil Science*

**Associate Professors**

C. Buddle; B.Sc.(Guelph), Ph.D.(Alta.); *Forest Insect Ecology*

B. Côté; B.Sc., Ph.D.(Laval); *Forest Resources*

M.A. Curtis; B.Sc., M.Sc., Ph.D.(McG.); *Environmental Governance*

B.T. Driscoll; B.Sc., Ph.D.(McM.); *Microbiology*

G.B. Dunphy; B.Sc.(New Br.), M.Sc., Ph.D.(Nfld.); *Entomology*

J.C. Henning; B.Sc., Ph.D.(Guelph); *Agricultural Economics*

M. Humphries; B.Sc.(Manit.), M.Sc.(Alta.), Ph.D.(McG.); *Wildlife Biology*

D.J. Lewis; B.Sc., M.Sc., Ph.D.(Nfld.); *Entomology*

I.B. Strachan; B.Sc.(Tor.), M.Sc., Ph.D.(Qu.); *Micrometeorology*

P.J. Thomassin; B.Sc.(McG.), M.S., Ph.D.(Hawaii Pac.); *Agricultural and Environmental Economics*

J. Whalen; B.Sc.(Agr.)(Dal.), M.Sc.(McG.), Ph.D.(Ohio St.); *Soil Science*

T.A. Wheeler; B.Sc.(Nfld.), M.Sc., Ph.D.(Guelph); *Entomology*

L.G. Whyte; B.Sc.(Regina), Ph.D.(Wat.); *Microbiology*

**Assistant Professors**

E. Bennett; B.A.(Oberline Coll.), M.S., Ph.D.(Wisc.); *Ecosystem Ecology (joint appt. with McGill School of Environment)*

G. Hickey; B.Sc.(Melb.), Ph.D.(Br. Col.), EMPA (ANZSOG, Monash); *Sustainable Natural Resource Management*

N. Kosoy; B.Sc.(Univ. Simon Bolivar), M.Sc.(Univ. of Kent, Univ. Autonoma de Barcelona), Ph.D.(Univ. Autonoma de Barcelona); *Ecological Economics (joint appt. with McGill School of Environment)*

A. Naseem; B.Sc.(McG.), M.Sc., Ph.D.(Mich.); *Agricultural Economics*
### Assistant Professors

C. Solomon; B.Sc.(C'nell), Ph.D.(Wisc.); *Wildlife Biology*

### Associate Members


### Adjunct Professors

D. Angers, G. Boivin, M.A. Bouchard, K. Fernie, C. Greer, D. Houle, J.P. Savard, E. Smith, G. Sunahara, C. Vincent, F. Whoriskey

### 14.11.6.5 Master of Science (M.Sc.); Agricultural Economics (Thesis) (46 credits)

Students may specialize, by way of their research program, in agri-business, development, finance, marketing and trade, policy, and resource and ecological economics.

#### Thesis Courses (27 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGE 691</td>
<td>6</td>
<td>M.Sc. Thesis 1</td>
</tr>
<tr>
<td>AGE 692</td>
<td>3</td>
<td>M.Sc. Thesis 2</td>
</tr>
<tr>
<td>AGE 693</td>
<td>6</td>
<td>M.Sc. Thesis 3</td>
</tr>
<tr>
<td>AGE 694</td>
<td>6</td>
<td>M.Sc. Thesis 4</td>
</tr>
<tr>
<td>AGE 695</td>
<td>6</td>
<td>M.Sc. Thesis 5</td>
</tr>
</tbody>
</table>

#### Required Course

(1 credit)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGE 690</td>
<td>1</td>
<td>Seminar</td>
</tr>
</tbody>
</table>

#### Complementary Courses (18 credits)

6 credits, two theory courses chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGE 611</td>
<td>3</td>
<td>Price Analysis</td>
</tr>
<tr>
<td>AGE 633</td>
<td>3</td>
<td>Environmental and Natural Resource Economics</td>
</tr>
<tr>
<td>ECON 610</td>
<td>3</td>
<td>Microeconomic Theory 1</td>
</tr>
<tr>
<td>ECON 611</td>
<td>3</td>
<td>Microeconomic Theory 2</td>
</tr>
<tr>
<td>ECON 620</td>
<td>3</td>
<td>Macroeconomic Theory 1</td>
</tr>
<tr>
<td>ECON 621</td>
<td>3</td>
<td>Macroeconomic Theory 2</td>
</tr>
</tbody>
</table>

3 credits, one quantitative methods course chosen from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEMA 610</td>
<td>3</td>
<td>Statistical Methods 2</td>
</tr>
<tr>
<td>ECON 525</td>
<td>3</td>
<td>Project Analysis</td>
</tr>
<tr>
<td>ECON 662</td>
<td>6</td>
<td>Econometrics</td>
</tr>
<tr>
<td>ECON 665</td>
<td>3</td>
<td>Quantitative Methods</td>
</tr>
<tr>
<td>MGSC 634</td>
<td>3</td>
<td>Econometric Methods in Management</td>
</tr>
<tr>
<td>MGSC 679</td>
<td>3</td>
<td>Applied Deterministic Optimization</td>
</tr>
</tbody>
</table>
9 credits, three 3-credit courses at the 500, 600, or 700 level, at least one of which must be in Agricultural Economics, chosen in consultation with the Agricultural Economics Adviser.

### 14.11.6.6 Master of Science (M.Sc.); Entomology (Thesis) (45 credits)

**Thesis Courses (36 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSC 691</td>
<td>12</td>
<td>M.Sc. Thesis Research 1</td>
</tr>
<tr>
<td>NRSC 692</td>
<td>12</td>
<td>M.Sc. Thesis Research 2</td>
</tr>
<tr>
<td>NRSC 693</td>
<td>12</td>
<td>M.Sc. Thesis Research 3</td>
</tr>
</tbody>
</table>

**Required Courses (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSC 643</td>
<td>1</td>
<td>Graduate Seminar 1</td>
</tr>
<tr>
<td>NRSC 644</td>
<td>1</td>
<td>Graduate Seminar 2</td>
</tr>
<tr>
<td>NRSC 651</td>
<td>1</td>
<td>Graduate Seminar 3</td>
</tr>
</tbody>
</table>

**Complementary Courses (6 credits)**

Two 3-credit courses at the 500, 600, or 700 level; normally one of these will be a course in statistics.

### 14.11.6.7 Master of Science (M.Sc.); Entomology (Thesis) — Environment (46 credits)

**Thesis Courses (36 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSC 691</td>
<td>12</td>
<td>M.Sc. Thesis Research 1</td>
</tr>
<tr>
<td>NRSC 692</td>
<td>12</td>
<td>M.Sc. Thesis Research 2</td>
</tr>
<tr>
<td>NRSC 693</td>
<td>12</td>
<td>M.Sc. Thesis Research 3</td>
</tr>
</tbody>
</table>

**Required Courses (7 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>NRSC 651</td>
<td>1</td>
<td>Graduate Seminar 3</td>
</tr>
</tbody>
</table>

**Complimentary Courses (3 credits)**

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>3</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>ENVR 544</td>
<td>3</td>
<td>Environmental Measurement and Modelling</td>
</tr>
<tr>
<td>ENVR 580</td>
<td>3</td>
<td>Topics in Environment 3</td>
</tr>
<tr>
<td>ENVR 611</td>
<td>3</td>
<td>The Economy of Nature</td>
</tr>
<tr>
<td>ENVR 620</td>
<td>3</td>
<td>Environment and Health of Species</td>
</tr>
<tr>
<td>ENVR 622</td>
<td>3</td>
<td>Sustainable Landscapes</td>
</tr>
<tr>
<td>ENVR 630</td>
<td>3</td>
<td>Civilization and Environment 1</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>3</td>
<td>Topics in Environment 4</td>
</tr>
</tbody>
</table>

or another 500-, 600-, or 700-level course recommended by the advisory committee and approved by the Environment Option Committee.
14.11.6.8 Master of Science (M.Sc.); Entomology (Thesis) — Neotropical Environment (48 credits)

**Thesis Courses (36 credits)**

NRSC 691 (12) M.Sc. Thesis Research 1  
NRSC 692 (12) M.Sc. Thesis Research 2  
NRSC 693 (12) M.Sc. Thesis Research 3

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 640</td>
<td>3</td>
<td>Tropical Biology and Conservation</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>NRSC 643</td>
<td>1</td>
<td>Graduate Seminar 1</td>
</tr>
<tr>
<td>NRSC 644</td>
<td>1</td>
<td>Graduate Seminar 2</td>
</tr>
<tr>
<td>NRSC 651</td>
<td>1</td>
<td>Graduate Seminar 3</td>
</tr>
</tbody>
</table>

Note: Participation in the MSE-Panama Symposium presentation in Montreal is also required.

**Elective Courses (3 credits)**

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

14.11.6.9 Master of Science (M.Sc.); Microbiology (Thesis) (45 credits)

**Thesis Courses (36 credits)**

NRSC 691 (12) M.Sc. Thesis Research 1  
NRSC 692 (12) M.Sc. Thesis Research 2  
NRSC 693 (12) M.Sc. Thesis Research 3

**Required Courses (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSC 643</td>
<td>1</td>
<td>Graduate Seminar 1</td>
</tr>
<tr>
<td>NRSC 644</td>
<td>1</td>
<td>Graduate Seminar 2</td>
</tr>
<tr>
<td>NRSC 651</td>
<td>1</td>
<td>Graduate Seminar 3</td>
</tr>
</tbody>
</table>

**Complementary Courses (6 credits)**

Two 3-credit 500-, 600-, or 700-level courses; normally one of these will be a course in statistics.

14.11.6.10 Master of Science (M.Sc.); Microbiology (Thesis) — Environment (46 credits)

**Thesis Courses (36 credits)**

NRSC 691 (12) M.Sc. Thesis Research 1  
NRSC 692 (12) M.Sc. Thesis Research 2  
NRSC 693 (12) M.Sc. Thesis Research 3

**Required Courses (7 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
</tbody>
</table>
### Complementary Course (3 credits)

One of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>3</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>ENVR 544</td>
<td>3</td>
<td>Environmental Measurement and Modelling</td>
</tr>
<tr>
<td>ENVR 580</td>
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<tr>
<td>ENVR 620</td>
<td>3</td>
<td>Environment and Health of Species</td>
</tr>
<tr>
<td>ENVR 622</td>
<td>3</td>
<td>Sustainable Landscapes</td>
</tr>
<tr>
<td>ENVR 630</td>
<td>3</td>
<td>Civilization and Environment</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>3</td>
<td>Topics in Environment 4</td>
</tr>
</tbody>
</table>

or another 500-, 600-, or 700-level course recommended by the advisory committee and approved by the Environment Option Committee.

### 14.11.6.11 Master of Science (M.Sc.); Renewable Resources (Thesis) (45 credits)

Includes Micrometeorology, Forest Science, Soil Science and Wildlife Biology as areas of research.

#### Thesis Courses (36 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSC 691</td>
<td>12</td>
<td>M.Sc. Thesis Research 1</td>
</tr>
<tr>
<td>NRSC 692</td>
<td>12</td>
<td>M.Sc. Thesis Research 2</td>
</tr>
<tr>
<td>NRSC 693</td>
<td>12</td>
<td>M.Sc. Thesis Research 3</td>
</tr>
</tbody>
</table>

#### Required Courses (3 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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</tr>
</thead>
<tbody>
<tr>
<td>NRSC 643</td>
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<td>NRSC 644</td>
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</tr>
<tr>
<td>NRSC 651</td>
<td>1</td>
<td>Graduate Seminar 3</td>
</tr>
</tbody>
</table>

#### Complementary Courses (6 credits)

Two 3-credit courses at the 500 level or higher recommended by the supervisory committee; one of which must be in quantitative methods/techniques.

### 14.11.6.12 Master of Science (M.Sc.); Renewable Resources (Thesis) — Environment (46 credits)

#### Thesis Courses (33 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSC 691</td>
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</tr>
<tr>
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</tbody>
</table>

#### Required Courses (7 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>NRSC 651</td>
<td>1</td>
<td>Graduate Seminar 3</td>
</tr>
</tbody>
</table>
Complimentary Courses (6 credits)

3 credits, one of the following courses:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment 1
- ENVR 680 (3) Topics in Environment 4

or another 500-, 600-, or 700-level course recommended by the advisory committee and approved by the Environment Option Committee.

3 credits of statistics at the 500, 600, or 700 level.

14.11.6.13 Master of Science (M.Sc.): Renewable Resources (Thesis) — Neotropical Environment (48 credits)

Thesis Courses (36 credits)

- NRSC 691 (12) M.Sc. Thesis Research 1
- NRSC 692 (12) M.Sc. Thesis Research 2
- NRSC 693 (12) M.Sc. Thesis Research 3

Required Courses (9 credits)

- BIOL 640 (3) Tropical Biology and Conservation
- ENVR 610 (3) Foundations of Environmental Policy
- NRSC 643 (1) Graduate Seminar 1
- NRSC 644 (1) Graduate Seminar 2
- NRSC 651 (1) Graduate Seminar 3

Note: Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Elective Courses (3 credits)

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

14.11.6.14 Master of Science (M.Sc.): Renewable Resources (Non-Thesis) — Environmental Assessment (45 credits)

The non-thesis master’s in Renewable Resources: Environmental Assessment option is normally taken over a one year cycle beginning in the Winter term and concluding in the Fall term. It is comprised of three interrelated elements: graduate-level courses, primarily given in the Winter term, a Summer term internship, and a project-related research paper, which is completed in the Fall term. The program is aimed at environmental assessment professionals and advanced environmental science scholars planning for careers in the public and private sector agencies, which guide environmental impact assessment, integrated assessment, and sustainable development in Canada and internationally. McGill's non-thesis master’s in Environmental Assessment is offered in conjunction with a Memorandum of Understanding (MOU) with the United Nations Environment Program (UNEP - 2003), which designates the Faculty of Agricultural and Environmental Sciences as a UNEP Collaborating Centre on Environmental Assessment. An important component of the MOU is that the Faculty advance teaching and training through the development of course offerings that enable students to prepare for contributing to sustainable development by utilizing the excellent materials provided by UNEP and other national and international agencies.

Research Project (9 credits)

- NRSC 616 (9) Environmental Assessment Project Paper
Required Internship (15 credits)
NRSC 615 (15) Environmental Assessment Internship

Required Courses (15 credits)
NRSC 610 (3) Advanced Environmental Assessment
NRSC 611 (3) Environmental Assessment Knowledge Base
NRSC 612 (3) Environmental Assessment and Sustainable Development
NRSC 613 (3) Strategic and Sectoral Environmental Assessment
NRSC 614 (3) Meeting Environmental Assessment Regulations

Complementary Courses (6 credits)
500- or 600-level relevant courses to be chosen in consultation with the Supervisor and Program Director.

14.11.6.15 Doctor of Philosophy (Ph.D.); Entomology
Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology.

Thesis
Required Courses
NRSC 701 (0) Ph.D. Comprehensive Examination
NRSC 751 (0) Graduate Seminar 4
NRSC 752 (0) Graduate Seminar 5
NRSC 753 (0) Graduate Seminar 6
NRSC 754 (0) Graduate Seminar 7

Coursework
Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

14.11.6.16 Doctor of Philosophy (Ph.D.); Microbiology
Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology.

Thesis
Required Courses
NRSC 701 (0) Ph.D. Comprehensive Examination
NRSC 751 (0) Graduate Seminar 4
NRSC 752 (0) Graduate Seminar 5
NRSC 753 (0) Graduate Seminar 6
NRSC 754 (0) Graduate Seminar 7

Coursework
Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.
14.11.6.17 Doctor of Philosophy (Ph.D.); Renewable Resources

Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology.

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRSC 701</td>
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<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>NRSC 751</td>
<td>0</td>
<td>Graduate Seminar 4</td>
</tr>
<tr>
<td>NRSC 752</td>
<td>0</td>
<td>Graduate Seminar 5</td>
</tr>
<tr>
<td>NRSC 753</td>
<td>0</td>
<td>Graduate Seminar 6</td>
</tr>
<tr>
<td>NRSC 754</td>
<td>0</td>
<td>Graduate Seminar 7</td>
</tr>
</tbody>
</table>

Coursework

Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

14.11.6.18 Doctor of Philosophy (Ph.D.); Entomology — Environment

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
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<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>NRSC 701</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>NRSC 754</td>
<td>0</td>
<td>Graduate Seminar 7</td>
</tr>
</tbody>
</table>

Coursework

Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

Complementary Courses

One course chosen from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>3</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>ENVR 544</td>
<td>3</td>
<td>Environmental Measurement and Modelling</td>
</tr>
<tr>
<td>ENVR 580</td>
<td>3</td>
<td>Topics in Environment 3</td>
</tr>
<tr>
<td>ENVR 611</td>
<td>3</td>
<td>The Economy of Nature</td>
</tr>
<tr>
<td>ENVR 620</td>
<td>3</td>
<td>Environment and Health of Species</td>
</tr>
<tr>
<td>ENVR 622</td>
<td>3</td>
<td>Sustainable Landscapes</td>
</tr>
<tr>
<td>ENVR 630</td>
<td>3</td>
<td>Civilization and Environment</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>3</td>
<td>Topics in Environment 4</td>
</tr>
</tbody>
</table>

or another 500-, 600-, or 700-level course recommended by the advisory committee and approved by the Environment Option Committee.

14.11.6.19 Doctor of Philosophy (Ph.D.); Entomology — Neotropical Environment

Thesis
### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 640</td>
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<td>Tropical Biology and Conservation</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>NRSC 701</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>NRSC 751</td>
<td>0</td>
<td>Graduate Seminar 4</td>
</tr>
<tr>
<td>NRSC 752</td>
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<td>NRSC 753</td>
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<tr>
<td>NRSC 754</td>
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<td>Graduate Seminar 7</td>
</tr>
</tbody>
</table>

Note: Participation in the MSE-Panama Symposium presentation in Montreal is also required.

### Elective Courses

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

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### 14.11.6.20 Doctor of Philosophy (Ph.D.): Microbiology — Bioinformatics

#### Thesis

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>COMP 616D1</td>
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<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>NRSC 701</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>NRSC 751</td>
<td>0</td>
<td>Graduate Seminar 4</td>
</tr>
<tr>
<td>NRSC 752</td>
<td>0</td>
<td>Graduate Seminar 5</td>
</tr>
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<td>NRSC 753</td>
<td>0</td>
<td>Graduate Seminar 6</td>
</tr>
<tr>
<td>NRSC 754</td>
<td>0</td>
<td>Graduate Seminar 7</td>
</tr>
</tbody>
</table>

#### Complementary Courses

6 credits from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>3</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>3</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>BTEC 555</td>
<td>3</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>3</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.

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### 14.11.6.21 Doctor of Philosophy (Ph.D.): Microbiology — Environment

#### Thesis

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
</tbody>
</table>
Coursework
Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

Complementary Courses
One course chosen from the following:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment 1
- ENVR 680 (3) Topics in Environment 4

or another 500-, 600-, or 700-level course recommended by the advisory committee and approved by the Environment Option Committee.

14.11.6.22 Doctor of Philosophy (Ph.D.); Renewable Resources — Environment

Thesis

Required Courses

- ENVR 610 (3) Foundations of Environmental Policy
- ENVR 650 (1) Environmental Seminar 1
- ENVR 651 (1) Environmental Seminar 2
- ENVR 652 (1) Environmental Seminar 3
- NRSC 701 (0) Ph.D. Comprehensive Examination
- NRSC 754 (0) Graduate Seminar 7

Coursework
Course requirements are specified by the staff in the discipline but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

Complementary Courses
One course chose from the following:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
or other graduate course recommended by the advisory committee and approved by the Environment Option Committee.

**14.11.6.23 Doctor of Philosophy (Ph.D.); Renewable Resources — Neotropical Environment**

**Thesis**

**Required Courses**

- BIOL 640 (3) Tropical Biology and Conservation
- ENVR 610 (3) Foundations of Environmental Policy
- NRSC 701 (0) Ph.D. Comprehensive Examination
- NRSC 751 (0) Graduate Seminar 4
- NRSC 752 (0) Graduate Seminar 5
- NRSC 753 (0) Graduate Seminar 6
- NRSC 754 (0) Graduate Seminar 7

Note: Participation in the MSE-Panama Symposium presentation in Montreal is required.

**Elective Courses**

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

**14.11.7 Parasitology**

**14.11.7.1 Location**

Institute of Parasitology
Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7722
Fax: 514-398-7857
Email: graduate.parasitology@mcgill.ca
Website: www.mcgill.ca/parasitology

**14.11.7.2 About Parasitology**

M.Sc. and Ph.D. thesis research degrees in Parasitology, with Bioinformatics and Environment options; and non-thesis Graduate Certificate and M.Sc.(Applied) degree in Biotechnology.

The Institute of Parasitology teaches and researches the phenomenon of parasitism of humans and livestock. The nutrition/parasitism interface is also examined. Current research involvement includes the biology, biochemistry, bioinformatics, pharmacology, control, ecology, epidemiology, immunology, molecular biology, neurobiology, and population and molecular genetics of parasitic organisms, viruses, and cancer cells. The non-thesis programs in Biotechnology offer a course-based curriculum with practical training in laboratory courses and internships.

The Institute is housed in its own building adjacent to the Macdonald Campus Library, and has well-equipped laboratories. A confocal microscopy suite and a FACS Aria cell sorting facility are available on site. Small and large animal facilities are present on the Macdonald campus. The Institute is affiliated with the McGill Centre for Tropical Diseases at the Montreal General Hospital.

Graduates typically go on to become career research scientists, enter the biotechnology sector in research, management or sales, or accept government positions.

**Parasitology Programs**
A research project is undertaken in an area of parasitology under the direction of a supervisor, and a thesis is produced. Coursework is minimal. Graduates have gone on to medical school, to teaching positions, or have found employment in scientific fields.

section 14.11.7.6: Master of Science (M.Sc.); Parasitology (Thesis) — Bioinformatics (47 credits)

A research project is undertaken in an area of parasitology under the direction of a supervisor, and a thesis is produced. This option involves additional coursework specializing in bioinformatics, and graduates are highly trained professionals with expertise in bioinformatics.

section 14.11.7.7: Master of Science (M.Sc.); Parasitology (Thesis) — Environment (46 credits)

A research project is undertaken under the direction of a supervisor, and a thesis is produced. This option involves extra coursework in topics relevant to the environment and is suitable for students interested in environmental issues. Graduates find employment in science and/or the environment, such as management or consulting positions in the emerging field of environmental protection, or go on to further graduate studies.

section 14.11.7.8: Doctor of Philosophy (Ph.D.); Parasitology

An advanced, original research project is undertaken in an area of parasitology supervised by faculty staff. Coursework is minimal. Graduates are well suited for teaching positions in academia or research careers in a university or private industry laboratory.

section 14.11.7.9: Doctor of Philosophy (Ph.D.); Parasitology — Bioinformatics

An advanced, original research project in an area of parasitology is undertaken supervised by faculty staff, and a thesis is produced. Additional coursework in the field of bioinformatics is required for this option. Graduates are well suited for a teaching or research career, especially where there is particular emphasis on the science of bioinformatics.

section 14.11.7.10: Doctor of Philosophy (Ph.D.); Parasitology — Environment

An advanced, original research project in an area of parasitology is undertaken supervised by faculty staff, and a thesis is produced. There is additional coursework on environmental topics for this option. Graduates are prepared for careers in academia, industry, or government, especially where the focus is on environmental protection or management of valuable natural resources, such as water.

BIOTECHNOLOGY PROGRAMS

section 14.11.7.11: Master of Science, Applied (M.Sc.A.); Biotechnology (Non-Thesis) (45 credits)

Candidates must possess a bachelor's degree in the biological/molecular sciences or an equivalent program. This applied master's program is unique in Quebec. It aims to prepare students for entry into the biotechnology and pharmaceutical industry or to pursue further graduate studies in biomedicine, agriculture, or the environment. Students can choose from a wide range of complementary courses given throughout the McGill campuses to "design" their own program toward a future career choice. The program provides in-house training in molecular biology with a strong focus on the molecular/biochemical sciences. Concurrently, it provides teaching in management and gives students the opportunity to look at the business aspect of biotechnology. A research internship of four to eight months is carried out in an active laboratory, and students learn to present and write research results. Graduates will find jobs ranging from positions as research assistants and/or technicians in biomedical or pharmaceutical laboratories to managerial or supervisory positions. They may also pursue a career in the business of biotechnology including patent and intellectual property management.

section 14.11.7.12: Graduate Certificate in Biotechnology (16 credits)

Candidates must possess a bachelor's degree in the biological/molecular sciences or an equivalent program. This is a short, intense program for students wishing to deepen their understanding of biotechnology and gain hands-on experience via an intensive laboratory course using the latest molecular biology techniques. Students can choose from a wide range of complementary courses given throughout the McGill campuses to "design" their own program toward a future career choice. Graduates will find employment in research or industrial laboratories as assistants and/or technicians.

14.11.7.3 Parasitology Admission Requirements and Application Procedures

14.11.7.3.1 Admission Requirements

Candidates for either the M.Sc. or the Ph.D. thesis research degree should possess a bachelor's degree in the biological or medical sciences with a minimum cumulative grade point average of 3.2/4.0 (second class -- upper division). High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Previous experience in parasitology is not essential.

Candidates for the Graduate Certificate and the M.Sc.(Applied) in Biotechnology must possess a bachelor’s degree in Biological Sciences or equivalent with a minimum cumulative grade point average of 3.0/4.0 or 3.2/4.0 GPA in the last two full-time years of university study for the Graduate Certificate, and a minimum of 3.2/4.0 CGPA for the M.Sc.(A.), as well as prerequisites or equivalents. Prerequisites or equivalents: applicants are required to have sufficient background in Biochemistry, Cellular Biology, and Molecular Biology, preferably at an advanced level for the Master's Applied.

14.11.7.3.2 Application Procedures

Applicants for the thesis research degrees (M.Sc. and Ph.D.) must forward supporting documents to:
Applicants for the Biotechnology programs must forward supporting documents to:

Biotechnology Graduate Programs
Institute of Parasitology
McGill University, Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada
Telephone: 514-398-7725
Fax: 514-398-7857
Email: program.biotech@mcgill.ca
Website: www.mcgill.ca/biotechgradprog

Applications – Complete the online application form available at www.mcgill.ca/gradapplicants/apply. Note: There is a CAD$100 non-refundable application fee. Applications will not be processed without payment. Paper applications, or PDF versions thereof, are no longer available. All applications to McGill must be done online. Applications will be considered upon receipt of the completed online application form, the CAD$100 application fee, and the following supporting documents:

Note: Documents submitted will not be returned.

Transcripts – Two official copies of all university-level transcripts with proof of degree(s) granted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent.

It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

Letters of Recommendation – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization. Letters may be sent electronically (via email). Electronic letters must be sent via a valid institutional or corporate email address (domain); public domains such as Hotmail, Yahoo, Gmail, Videotron, etc., cannot be accepted. Detailed information is found at the following site: www.mcgill.ca/gradapplicants/apply/prepare/checklist/documents/. It is the applicant's responsibility to arrange for these letters to be sent.

Competency in English – Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English by appropriate exams, e.g., TOEFL (minimum score 577 on the paper-based test, or 90 on the Internet-based test with each component not less than 20). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use Department code 31 (Graduate Schools), Biological Sciences – Agriculture, to ensure that your TOEFL reaches this office without delay. For detailed information consult the following site: www.mcgill.ca/gradapplicants/apply/prepare/requirements/proficiency.

Graduate Record Exam (GRE) – The GRE is not required, but it is highly recommended.

Application Fee (non-refundable) – A fee of CAD$100 must accompany each online application (including those submitted by McGill students), otherwise it cannot be considered. This sum must be remitted by credit card only.

Dates for Guaranteed Consideration
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. It may be necessary to delay review of the applicant’s file until the following admittance period if application materials including supporting documents are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants must make use of the online application form available on the web at www.mcgill.ca/gradapplicants/apply.

Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.
Acceptance to all thesis research programs depends on a staff member agreeing to serve as the student’s supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student’s supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

Financial support for Biotechnology programs is very limited. Students must secure funding from governmental agencies or be self-sufficient. International students are strongly encouraged to secure funding from their home country or international agencies. More information is found at www.mcgill.ca/biotechgradprog/admissions/tuition.

**Other Supporting Documents** – Other documents may be required for the admission process. Please consult the respective website of Parasitology and Biotechnology for full details of the admission process.

**Qualifying Students** – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying Program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year is permitted. Successful completion of a qualifying program does not guarantee admission to a degree program.

### 14.11.7.4 Parasitology Faculty

**Director**
Timothy G. Geary

**Professors**
John P. Dalton; B.Sc., Ph.D.(Dublin) (*Canada Research Chair in Infectious Diseases*)

Timothy G. Geary; B.Sc.(Notre Dame), Ph.D.(Mich.) (*Canada Research Chair in Parasite Biotechnology*)

Roger Prichard; B.Sc., Ph.D.(NSW) (*James McGill Professor*)

**Associate Professors**
Robin N. Beech; B.Sc.(Nott.), Ph.D.(Edin.)

Elias Georges; B.Sc., Ph.D.(McG.)

Armando Jardim; B.Sc., Ph.D.(Vic., BC)

Paula Ribeiro; B.Sc., Ph.D.(York)

Marilyn E. Scott; B.Sc.(New Br.), Ph.D.(McG.)

**Assistant Professors**
Florence Dzierszinski; B.Sc., M.Sc., Ph.D.(Lille, France) (*Canada Research Chair in Parasite Pathogenesis*)

Petra Rohrbach; B.Sc.(McG.), Ph.D.(Heidelberg, Germany)

Reza Salavati; B.A., M.A.(Calif. St.), Ph.D.(Wesl.)

**Associate Members**
Gregory J. Matlashewski (*Medicine, Microbiology and Immunology*); Mary Stevenson (*Medicine, Experimental Medicine*); Brian Ward (*Medicine, Experimental Medicine*)

### 14.11.7.5 Master of Science (M.Sc.); Parasitology (Thesis) (46 credits)

**Thesis Courses (32 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 687</td>
<td>10</td>
<td>Thesis Research 1</td>
</tr>
<tr>
<td>PARA 688</td>
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<td>Thesis Research 2</td>
</tr>
<tr>
<td>PARA 689</td>
<td>12</td>
<td>Thesis Research 3</td>
</tr>
</tbody>
</table>

**Required Courses (14 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 600</td>
<td>4</td>
<td>Thesis Proposal for M.Sc</td>
</tr>
<tr>
<td>PARA 606</td>
<td>2</td>
<td>Parasitology Seminar</td>
</tr>
</tbody>
</table>
Other course work in related subjects may be required, depending upon the candidate's background and research orientation.

### 14.11.7.6 Master of Science (M.Sc.); Parasitology (Thesis) — Bioinformatics (47 credits)

#### Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Code</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 688</td>
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</tr>
<tr>
<td>PARA 689</td>
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<td>Thesis Research 3</td>
</tr>
<tr>
<td>PARA 690</td>
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</table>

#### Required Courses (17 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>PARA 600</td>
<td>4</td>
<td>Thesis Proposal for M.Sc</td>
</tr>
<tr>
<td>PARA 606</td>
<td>2</td>
<td>Parasitology Seminar</td>
</tr>
<tr>
<td>PARA 607</td>
<td>2</td>
<td>Parasitology Research Seminar</td>
</tr>
<tr>
<td>PARA 635</td>
<td>3</td>
<td>Cell Biology and Infection</td>
</tr>
<tr>
<td>PARA 655</td>
<td>3</td>
<td>Host-Parasite Interactions</td>
</tr>
</tbody>
</table>

#### Complementary Courses (6 credits)

6 credits from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>3</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>3</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>BTEC 555</td>
<td>3</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>3</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

Additional courses at the 500 or 600 level may be required at the discretion of the candidate's supervisory committee.

### 14.11.7.7 Master of Science (M.Sc.); Parasitology (Thesis) — Environment (46 credits)

#### Thesis Courses (26 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 687</td>
<td>10</td>
<td>Thesis Research 1</td>
</tr>
<tr>
<td>PARA 688</td>
<td>10</td>
<td>Thesis Research 2</td>
</tr>
<tr>
<td>PARA 691</td>
<td>6</td>
<td>Thesis Research 5</td>
</tr>
</tbody>
</table>

#### Required Courses (14 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>PARA 600</td>
<td>4</td>
<td>Thesis Proposal for M.Sc</td>
</tr>
</tbody>
</table>
### Complementary Courses (6 credits)

3 credits from one of the following:

- PARA 635 (3) Cell Biology and Infection
- PARA 655 (3) Host-Parasite Interactions

3 credits from one of the following:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
- ENVR 680 (3) Topics in Environment 4

or other graduate course recommended by the advisory committee and approved by the Environment Option Committee.

Note: Other course work in related subjects may be required, depending upon the candidate's background and research orientation.

### 14.11.7.8 Doctor of Philosophy (Ph.D.); Parasitology

#### Thesis

**Required Courses (10 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARA 635</td>
<td>3</td>
<td>Cell Biology and Infection</td>
</tr>
<tr>
<td>PARA 655</td>
<td>3</td>
<td>Host-Parasite Interactions</td>
</tr>
<tr>
<td>PARA 700</td>
<td>0</td>
<td>Thesis Proposal for Ph.D</td>
</tr>
<tr>
<td>PARA 710</td>
<td>2</td>
<td>Parasitology Ph.D. Seminar 1</td>
</tr>
<tr>
<td>PARA 711</td>
<td>2</td>
<td>Parasitology Ph.D. Seminar 2</td>
</tr>
</tbody>
</table>

* Note: In the first year of the doctoral program, the candidates must successfully complete a written thesis proposal and make an oral presentation on their proposed research to fulfil PARA 700, the comprehensive component.

Depending upon the candidate's background, other course work may be required.

### 14.11.7.9 Doctor of Philosophy (Ph.D.); Parasitology — Bioinformatics

#### Thesis

**Required Courses (13 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>PARA 635</td>
<td>3</td>
<td>Cell Biology and Infection</td>
</tr>
<tr>
<td>PARA 655</td>
<td>3</td>
<td>Host-Parasite Interactions</td>
</tr>
<tr>
<td>PARA 700</td>
<td>0</td>
<td>Thesis Proposal for Ph.D</td>
</tr>
</tbody>
</table>
Parasitology Ph.D. Seminar 1
PARA 710 (2) Parasitology Ph.D. Seminar 1
PARA 711 (2) Parasitology Ph.D. Seminar 2

Complementary Courses (6 credits)
6 credits chosen from the following:
BINF 621 (3) Bioinformatics: Molecular Biology
BMDE 652 (3) Bioinformatics: Proteomics
BTEC 555 (3) Structural Bioinformatics
COMP 618 (3) Bioinformatics: Functional Genomics
PHGY 603 (3) Systems Biology and Biophysics

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.

14.11.7.10 Doctor of Philosophy (Ph.D.); Parasitology — Environment

Thesis
Required Courses (14 credits)
ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
ENVR 652 (1) Environmental Seminar 3
PARA 700 (0) Thesis Proposal for Ph.D
PARA 710 (2) Parasitology Ph.D. Seminar 1
PARA 711 (2) Parasitology Ph.D. Seminar 2

Complementary Courses (6 credits)
One of the following courses:
PARA 635 (3) Cell Biology and Infection
PARA 655 (3) Host-Parasite Interactions

One course chosen from the following:
ENVR 519 (3) Global Environmental Politics
ENVR 544 (3) Environmental Measurement and Modelling
ENVR 580 (3) Topics in Environment 3
ENVR 611 (3) The Economy of Nature
ENVR 620 (3) Environment and Health of Species
ENVR 622 (3) Sustainable Landscapes
ENVR 630 (3) Civilization and Environment
ENVR 680 (3) Topics in Environment 4

Or another graduate course recommended by the advisory committee and approved by the Environment Option Committee.

14.11.7.11 Master of Science, Applied (M.Sc.A.); Biotechnology (Non-Thesis) (45 credits)

Research Project (16 credits)
Biotechnology Research Project 1 (BTEC 622) (2 credits)
Biotechnology Research Project 2 (BTEC 623) (6 credits)
Biotechnology Research Project 3 (BTEC 624) (6 credits)
Biotechnology Research Project 4 (BTEC 625) (2 credits)

**Required Courses (17 credits)**

- **Selected Topics in Biotechnology** (BIOT 505) (3 credits)
- **Bioinformatics** (BTEC 501) (3 credits)
- **Biotechnology Laboratory 2** (BTEC 619) (4 credits)
- **Biotechnology Laboratory 1** (BTEC 620) (4 credits)
- **Biotechnology Management** (BTEC 621) (3 credits)

**Complementary Courses (12 credits)**

3 credits in Ethics at the 500 level or higher, selected in consultation with the academic adviser.

9 credits at the 500 level or higher, selected within the Faculties of Agricultural and Environmental Sciences, Medicine, Science, or Management in consultation with the academic adviser of the program in line with the interests of the student.

**14.11.7.12 Graduate Certificate in Biotechnology (16 credits)**

**Required Courses (10 credits)**

- **Selected Topics in Biotechnology** (BIOT 505) (3 credits)
- **Biotechnology Laboratory 1** (BTEC 620) (4 credits)
- **Biotechnology Management** (BTEC 621) (3 credits)

**Complimentary Courses (6 credits)**

Two courses chosen from the following:

**General Topics**

- **Selected Topics in Molecular Biology** (ANSC 622) (3 credits)
- **Bioinformatics for Genomics** (BINF 511) (3 credits)
- **Topics in Molecular Biology** (BIOL 524) (3 credits)
- **Topics on the Human Genome** (BIOL 568) (3 credits)
- **Bioinformatics** (BTEC 501) (3 credits)
- **Biotechnology Ethics and Society** (BTEC 502) (3 credits)
- **Functional Genomics in Model Organisms** (BTEC 535) (3 credits)
- **Structural Bioinformatics** (BTEC 555) (3 credits)
- **Biotechnology Practicum** (BTEC 691) (3 credits)
- **Joint Venturing with Industry** (EXMD 511) (3 credits)
- **Techniques in Molecular Genetics** (EXMD 602) (3 credits)

**Health**

- **Biomedical Methods in Medical Research** (EXMD 610) (3 credits)
- **Cell Biology and Infection** (PARA 635) (3 credits)
PHGY 518 (3) Artificial Cells

**Environment and Food**

BREE 530 (3) Fermentation Engineering
FDSC 535 (3) Food Biotechnology

### 14.11.8 Plant Science

#### 14.11.8.1 Location

Department of Plant Science  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue, QC H9X 3V9  
Canada

Telephone: 514-398-7851  
Fax: 514-398-7897  
Email: plant.science@mcgill.ca  
Website: www.mcgill.ca/plant

#### 14.11.8.2 About Plant Science

The Department offers an M.Sc. and Ph.D. in Plant Science with Options in Bioinformatics, Environment, or Neotropical Environment, and provides for study in all fields of plant sciences. Research facilities – both field and laboratory – are available for investigations in plant breeding, crop physiology, crop management, crop quality, plant ecology, the epidemiology and biology of plant diseases, epigenetics, biosystematics, recombinant DNA technology, mycology, weed biology, tissue culture, plant biochemistry, and bioinformatics. Facilities include: the Horticultural Research Centre, the Emile A. Lods Agronomy Research Centre, greenhouses, growth cabinets, the McGill University Herbarium, the Applied Biotechnology laboratory, the CT Scanning laboratory, and a Level 2 Quarantine Facility.

An advisory committee is named for each student and has the responsibility for developing the program of study appropriate to the student's background and area of specialization.

**section 14.11.8.5: Master of Science (M.Sc.); Plant Science (Thesis) (45 credits)**

This M.Sc. in Plant Science requires approximately two years for completion. The program overall consists of two graduate level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field.

**section 14.11.8.6: Master of Science (M.Sc.); Plant Science (Thesis) — Bioinformatics (48 credits)**

This M.Sc. in Plant Science requires approximately two years for completion. The program overall consists of two graduate level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field. This option/concentration has an added emphasis on bioinformatics, including additional courses and seminars.

**section 14.11.8.7: Master of Science (M.Sc.); Plant Science (Thesis) — Environment (48 credits)**

This M.Sc. in Plant Science requires approximately two years for completion. The program overall consists of two graduate level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field. This option/concentration has an added emphasis on environmental sciences, including additional courses and seminars.

**section 14.11.8.8: Master of Science (M.Sc.); Plant Science (Thesis) — Neotropical Environment (48 credits)**

This M.Sc. in Plant Science requires approximately two years for completion. The program overall consists of two graduate level courses, seminars, and a research project leading to a thesis. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field. This option/concentration has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.
section 14.11.8.9: Master of Science, Applied (M.Sc.A.); Plant Science (Non-Thesis) (45 credits)

This M.Sc. in Plant Science requires about 18 months or four to five terms for completion. Overall, the program consists of graduate-level courses, seminars, and a research project. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field.

section 14.11.8.10: Doctor of Philosophy (Ph.D.); Plant Science

This Ph.D. in Plant Science requires approximately three years for completion. The program overall consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector.

section 14.11.8.11: Doctor of Philosophy (Ph.D.); Plant Science — Bioinformatics

This Ph.D. in Plant Science requires approximately three years for completion. The program overall consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This option/concentration has an added emphasis on bioinformatics, including additional courses and seminars.

section 14.11.8.12: Doctor of Philosophy (Ph.D.); Plant Science — Environment

This Ph.D. in Plant Science requires approximately three years for completion. The program overall consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This option/concentration has an added emphasis on environmental sciences, including additional courses and seminars.

section 14.11.8.13: Doctor of Philosophy (Ph.D.); Plant Science — Neotropical Environment

This Ph.D. in Plant Science requires approximately three years for completion. The program overall consists of seminars and a research project leading to a thesis. Students must also complete a comprehensive examination within their first year of study. The research project is defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This option/concentration has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.

14.11.8.3 Plant Science Admission Requirements and Application Procedures

14.11.8.3.1 Admission Requirements

General

The minimum cumulative grade point average (CGPA) is 3.0/4.0 (second-class upper division) or a GPA of 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

Ph.D.

Ph.D. candidates are required to have a M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program. Outstanding M.Sc. students may be permitted to transfer to the second year of the Ph.D. program following one year of study.

14.11.8.3.2 Application Procedures

Applicants for graduate studies must forward supporting documents to:

Department of Plant Science
Macdonald Campus of McGill University
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada

Telephone: 514-398-7851
Fax: 514-398-7897
Email: carolyn.bowes@mcgill.ca

Applications will be considered upon receipt of a signed and completed application form, $100 application fee, and the following supporting documents:

DOCUMENTS SUBMITTED WILL NOT BE RETURNED.

Transcripts – Two official copies of all university-level transcripts with proof of degree(s) granted. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant's university is essential. It is the applicant's responsibility to arrange for transcripts to be sent.
It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Applicants must be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill honours degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

**Letters of Recommendation** – Two letters of recommendation on letterhead (official paper) of originating institution or bearing the university seal and with original signatures from two instructors familiar with the applicant's work, preferably in the applicant's area of specialization. It is the applicant's responsibility to arrange for these letters to be sent.

**Competency in English** – Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (minimum score 550 on the paper-based test or 86 on the Internet-based test, with a minimum score of 20 on each), or IELTS (minimum overall band 6.5). The MCHE is not considered equivalent. Results must be submitted as part of the application. The University code is 0935 (McGill University, Montreal); please use Department code 31 (Graduate Schools), Biological Sciences – Agriculture, to ensure that your TOEFL reaches this office without delay.

**Graduate Record Exam (GRE)** – The GRE is not required, but it is highly recommended.

**Application Fee (non-refundable)** – A fee of $100 Canadian must accompany each application (including McGill students), otherwise it cannot be considered. This sum must be remitted by credit card only.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs), then select the appropriate program. It may be necessary to delay review of the applicant’s file until the following admittance period if application materials, including supporting documents, are received after the dates for guaranteed consideration. International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy. Applicants are encouraged to make use of the online application form available on the web at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Financial aid is very limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application.

Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support. Normally, a student will not be accepted unless adequate financial support can be provided by the student and/or the student's supervisor. Academic units cannot guarantee financial support via teaching assistantships or other funds.

**Qualifying Students** – Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying Program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year is permitted. Successful completion of a qualifying program does not guarantee admission to a degree program.

### 14.11.8.4 Plant Science Faculty

**Chair**

P. Seguin

**Emeritus Professors**

D.J. Buzsard; B.Sc.(Bath), Ph.D.(Lond.)


W.F. Grant; B.A., M.A.(McM.), Ph.D.(Virg.), F.L.S.

**Professors**

P. Duttilleul; L.Sc., D.Sc.(Louvain)

D.L. Smith; B.Sc., M.Sc.(Acad.), Ph.D.(Guelph)

A.K. Watson; B.Sc.(Agr.), M.Sc.(Br. Col.), Ph.D.(Sask.)

**Associate Professors**

J. Bede; B.Sc.(Calg.), M.Sc., Ph.D.(Tor.)

S. deBlois; B.Sc.(Agr.)(McG.), M.Sc., Ph.D.(Montr.)

D.J. Donnelly; B.Sc.(Agr.)(McG.), M.Sc.(Br. Col.), Ph.D.(S. Fraser)

S. Jabaji; B.Sc.(Beirut), M.Sc.(Guelph), Ph.D.(Wat.)

A.C. Kushalappa; B.Sc., M.Sc.(B'Lore), Ph.D.(Flor.)

P. Seguin; B.Sc.(Agr.), M.Sc.(McG.), Ph.D.(Minn.)
Associate Professors
M. Stromvik; B.A., M.Sc.(Stockholm), Ph.D.(Ill.)
M. Waterway; B.A,(Grand Rapids), M.S.(Wisc.), Ph.D.(C'nell)

Assistant Professors
J.-B. Charron; B.Sc.(Montr.), M.Sc., Ph.D.(UQAM)
J. Singh; B.Sc.(Agr.), M.Sc.(Punjab), Ph.D.(Syd.)

Faculty Lecturers
C. Begg; B.Sc.(Agr.)(McG.), M.Sc.(Sask.), Ph.D.(McG.)
S. Lussier; B.Sc.(Agr.)(McG.)
D. Wees; B.Sc.(Agr.), M.Sc.(McG.)

Associate Members
G. Brown (Department of Biology)
T.A. Johns (Dietetics and Human Nutrition)

Adjunct Professors
M. Fortin, S. Jenni, S. Khanizadeh, A. Bertrand

14.11.8.5 Master of Science (M.Sc.); Plant Science (Thesis) (45 credits)

Thesis Courses (39 credits)
PLNT 664 (12) M.Sc. Thesis 1
PLNT 665 (12) M.Sc. Thesis 2
PLNT 666 (15) M.Sc. Thesis 3

Required Invitational Seminar
PLNT 690 (0) Research Horizons in Plant Science 1

Complementary Courses (6 credits)
Two graduate-level courses

Additional courses may be required at the discretion of the candidate's supervisory committee.

14.11.8.6 Master of Science (M.Sc.); Plant Science (Thesis) — Bioinformatics (48 credits)

Thesis Courses (39 credits)
PLNT 664 (12) M.Sc. Thesis 1
PLNT 665 (12) M.Sc. Thesis 2
PLNT 666 (15) M.Sc. Thesis 3

Required Invitational Seminar
PLNT 690 (0) Research Horizons in Plant Science 1
Required Courses (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
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<tr>
<td>COMP 616D2</td>
<td>1.5</td>
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</tr>
<tr>
<td>PLNT 691</td>
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Complementary Courses (6 credits)

Chosen from the following:

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<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>3</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>3</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>BTEC 555</td>
<td>3</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>3</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

Additional courses at the 500 or 600 level may be required at the discretion of the candidate's advisory committee.

14.11.8.7 Master of Science (M.Sc.); Plant Science (Thesis) — Environment (48 credits)

Thesis Courses (39 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>PLNT 665</td>
<td>12</td>
<td>M.Sc. Thesis 2</td>
</tr>
<tr>
<td>PLNT 666</td>
<td>15</td>
<td>M.Sc. Thesis 3</td>
</tr>
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</table>

Required Invitational Seminar

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Research Horizons in Plant Science 1</td>
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Required Courses (6 credits)

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<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
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<tr>
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<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
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<td>Environmental Seminar 2</td>
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Complementary Courses (3 credits)

Chosen from one of the following courses:

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<td>ENVR 544</td>
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<td>ENVR 580</td>
<td>3</td>
<td>Topics in Environment 3</td>
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<td>ENVR 611</td>
<td>3</td>
<td>The Economy of Nature</td>
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<td>ENVR 620</td>
<td>3</td>
<td>Environment and Health of Species</td>
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<td>ENVR 622</td>
<td>3</td>
<td>Sustainable Landscapes</td>
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<tr>
<td>ENVR 630</td>
<td>3</td>
<td>Civilization and Environment</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>3</td>
<td>Topics in Environment 4</td>
</tr>
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</table>
or other graduate course recommended by the advisory committee and approved by the Environment Option Committee.

Additional courses may be required at the discretion of the candidate's supervisory committee.

14.11.8.8 Master of Science (M.Sc.); Plant Science (Thesis) — Neotropical Environment (48 credits)

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.

**Thesis Courses (39 credits)**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
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<td>M.Sc. Thesis 1</td>
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<tr>
<td>PLNT 665</td>
<td>12</td>
<td>M.Sc. Thesis 2</td>
</tr>
<tr>
<td>PLNT 666</td>
<td>15</td>
<td>M.Sc. Thesis 3</td>
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</tbody>
</table>

**Required Invitational Seminar**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLNT 690</td>
<td>0</td>
<td>Research Horizons in Plant Science 1</td>
</tr>
</tbody>
</table>

**Required Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 640</td>
<td>3</td>
<td>Tropical Biology and Conservation</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
</tbody>
</table>

**Elective Courses (3 credits)**

3 credits at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

Additional courses may be required at the discretion of the candidate's supervisory committee.

14.11.8.9 Master of Science, Applied (M.Sc.A.); Plant Science (Non-Thesis) (45 credits)

N.B. this program is under revision. Please contact Ms. Carolyn Bowes for information.

14.11.8.10 Doctor of Philosophy (Ph.D.); Plant Science

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

**Thesis**

**Required Invitational Seminar**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLNT 690</td>
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<td>Research Horizons in Plant Science 1</td>
</tr>
</tbody>
</table>

**Required Courses**

* Must be taken within one year of registering

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLNT 701</td>
<td>0</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
</tbody>
</table>

**Complementary Courses**

Any courses at the 500 or 600 level deemed necessary for the chosen area of specialization.
14.11.8.11 Doctor of Philosophy (Ph.D.); Plant Science — Bioinformatics

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

Thesis

Required Invitational Seminar

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLNT 690</td>
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<td>Research Horizons in Plant Science 1</td>
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</table>

Required Courses (3 credits)
* Must be taken within one year of registering.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>PLNT 701*</td>
<td>0</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
</tbody>
</table>

Complementary Courses (6 credits)

Two courses to be chosen from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>3</td>
<td>Bioinformatics: Molecular Biology</td>
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<tr>
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<td>3</td>
<td>Bioinformatics: Proteomics</td>
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<tr>
<td>BTEC 555</td>
<td>3</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>3</td>
<td>Systems Biology and Biophysics</td>
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</tbody>
</table>

Additional courses at the 500 or 600 level may be required at the discretion of the candidate's advisory committee.

14.11.8.12 Doctor of Philosophy (Ph.D.); Plant Science — Environment

Thesis

Required Invitational Seminar

<table>
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<tr>
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Required Courses (6 credits)
* Must be taken within the first year of registering

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
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<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>PLNT 701*</td>
<td>0</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
</tbody>
</table>

Coursework

Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

Complementary Courses (3 credits)

One course chosen from the following:
or other graduate course recommended by the advisory committee and approved by the Environment Option Committee.

14.11.8.13 Doctor of Philosophy (Ph.D.); Plant Science — Neotropical Environment

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.

Thesis

Required Invitational Seminar

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLNT 690</td>
<td>0</td>
<td>Research Horizons in Plant Science 1</td>
</tr>
</tbody>
</table>

Required Courses (6 credits)

* Must be taken within one year of registering.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL 640</td>
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</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>PLNT 701*</td>
<td>0</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
</tbody>
</table>

Elective Courses (3 credits)

3 credits at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

14.11.8.14 Graduate Certificate in Bioinformatics (15 credits)

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Title</th>
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<tbody>
<tr>
<td>BINF 511</td>
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<td>Bioinformatics for Genomics</td>
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<td>BTEC 501</td>
<td>3</td>
<td>Bioinformatics</td>
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<tr>
<td>BTEC 555</td>
<td>3</td>
<td>Structural Bioinformatics</td>
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</table>

Complementary Courses (6 credits)

3 credits from the following:

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
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<tbody>
<tr>
<td>ANSC 565</td>
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<tr>
<td>BTEC 535</td>
<td>3</td>
<td>Functional Genomics in Model Organisms</td>
</tr>
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</table>

3 credits from the following:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>3</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BIOC 603</td>
<td>3</td>
<td>Genomics and Gene Expression</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>3</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616N1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
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<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>GLIS 673</td>
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<td>Bioinformatics Resources</td>
</tr>
<tr>
<td>HGEN 663</td>
<td>3</td>
<td>Beyond the Human Genome</td>
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</table>

## Faculty of Arts

### Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master’s degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

*Martin Kreiswirth, Ph.D.*
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

### Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
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</tbody>
</table>
### Administrative Officers

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C'dia)</td>
<td>Director (Recruitment and Retention)</td>
</tr>
</tbody>
</table>

#### 15.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990  
Fax: 514-398-1626  
Email: servicepoint@mcgill.ca  
Website: www.mcgill.ca/gps

**Note:** For inquiries regarding specific Graduate programs, please contact the appropriate department.

#### 15.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

#### 15.3 Important Dates 2011-2012

For all dates relating to the academic year, consult [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates).

#### 15.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

### Agricultural and Environmental Sciences

- **section 14.11.1:** Agricultural Economics  
- **section 14.11.2:** Animal Science  
- **section 14.11.3:** Bioresource Engineering  
- **section 14.11.4:** Dietetics and Human Nutrition  
- **section 14.11.5:** Food Science and Agricultural Chemistry  
- **section 14.11.6:** Natural Resource Sciences  
- **section 14.11.7:** Parasitology  
- **section 14.11.8:** Plant Science

### Arts

- **section 15.11.1:** Anthropology  
- **section 15.11.2:** Art History  
  Classics, see **section 15.11.12:** History and Classical Studies  
- **section 15.11.4:** Communication Studies  
- **section 15.11.5:** East Asian Studies  
- **section 15.11.6:** Economics  
- **section 15.11.7:** English  
- **section 15.11.8:** French Language and Literature
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<tr>
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<td>section 15.11.10: German Studies</td>
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<td>section 15.11.12: History and Classical Studies</td>
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<td>section 15.11.13: Institute for the Study of International Development</td>
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<td>section 15.11.14: Islamic Studies</td>
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<td>section 15.11.15: Italian Studies</td>
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<td>section 15.11.16: Jewish Studies</td>
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<td>section 15.11.17: Linguistics</td>
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<td>section 15.11.18: Mathematics and Statistics</td>
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<td>section 15.11.19: Philosophy</td>
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<td>section 15.11.20: Political Science</td>
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<td>section 15.11.21: Psychology</td>
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<tr>
<td>section 15.11.23: Russian and Slavic Studies</td>
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<tr>
<td>section 15.11.24: Social Studies of Medicine</td>
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<td>section 15.11.25: Social Work</td>
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<tr>
<td>section 18.11.2: Information Studies</td>
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<td>section 18.11.3: Integrated Studies in Education</td>
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<tr>
<td>section 18.11.4: Kinesiology and Physical Education</td>
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</table>

<table>
<thead>
<tr>
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<tbody>
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<td>section 19.11.2: Chemical Engineering</td>
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<tr>
<td>section 19.11.3: Civil Engineering and Applied Mechanics</td>
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<td>section 19.11.4: Electrical and Computer Engineering</td>
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<tr>
<td>section 19.11.5: Mechanical Engineering</td>
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<tr>
<td>section 19.11.6: Mining and Materials Engineering</td>
</tr>
<tr>
<td>section 19.11.7: Urban Planning</td>
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<th>Law</th>
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<td>section 20.11.1: Law</td>
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<table>
<thead>
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</thead>
<tbody>
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<td>section 21.11.1: Environment</td>
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**Medicine**

- section 22.11.1: Anatomy and Cell Biology
- section 22.11.2: Biochemistry
- section 22.11.3: Bioethics
- section 22.11.4: Biomedical Engineering
- section 22.11.5: Communication Sciences and Disorders
- section 22.11.6: Epidemiology and Biostatistics

Experimental Medicine, see section 22.11.10: Medicine, Experimental

- section 22.11.8: Human Genetics
- section 22.11.9: Medical Physics
- section 22.11.11: Microbiology and Immunology
- section 22.11.12: Neuroscience (Integrated Program in)
- section 23.11.1: Nursing
- section 22.11.13: Occupational Health
- section 22.11.14: Otolaryngology – Head and Neck Surgery
- section 22.11.15: Pathology
- section 22.11.16: Pharmacology and Therapeutics
- section 24.11.1: Physical and Occupational Therapy
- section 22.11.17: Physiology
- section 22.11.18: Psychiatry
- section 22.11.19: Surgical Research

**Religious Studies**

- section 25.11.1: Religious Studies

**Schulich School of Music**

- section 26.11.1: Schulich School of Music

**Science**

- section 27.11.1: Atmospheric and Oceanic Sciences
- section 27.11.2: Biology
- section 27.11.3: Chemistry
- section 27.11.4: Computer Science
- section 27.11.5: Earth and Planetary Sciences
- section 15.11.9: Geography
- section 15.11.18: Mathematics and Statistics
- section 27.11.8: Physics
- section 15.11.21: Psychology

**15.4.1 Graduate Diplomas and Certificates**

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.
Graduate Diplomas are offered in:

- Primary Care Nurse Practitioner
- Clinical Research (Experimental Medicine)
- Professional Performance
- Public Accountancy (C.A.)
- Registered Dietician Credentialing (R.D.)
- Library and Information Studies
- School and Applied Child Psychology (post-Ph.D.)
- Surgical Health Care Research

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

- Educational Leadership 2
- Library and Information Studies
- Post-M.B.A.
- Teaching English as a Second Language
- Theory in Primary Care
- Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

15.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

The following master's degrees are offered (see below for more information about sub-specializations):

- Master of Architecture (M.Arch)
- Master of Arts (M.A.)
- Master of Business Administration (M.B.A.)
- Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)
- Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D./C.M.)
- Master of Manufacturing Management (M.M.M.)
- Master of Education (M.Ed.)
- Master of Engineering (M.Eng.)
- Master of Laws (LL.M.)
- Master of Library and Information Studies (M.L.I.S.)
- Master of Management (M.M.)
- Master of Music (M.Mus.)
- Master of Sacred Theology (S.T.M.)
- Master of Science (M.Sc.)
- Master of Science, Applied (M.Sc.A.)
- Master of Science, Applied (OT) (M.Sc.A. (OT))

Prerequisites:

- M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.
- Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
- An undergraduate degree from an approved university. See Management.
- See Management.
- See Management.
- Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.
- An acceptable degree in Law or equivalent qualifications. See Law.
- At least a bachelor's degree from a recognized university. See Library and Information Studies.
- See Management.
- Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.
- B.A. with specialization in religious studies or theology. See Religious Studies.
- Bachelor of Science in the subject selected for graduate work. See appropriate unit.
- A bachelor's degree in the subject selected for graduate work. See appropriate unit.
- A bachelor's degree in the subject selected for graduate work. See appropriate unit.
The following master’s degrees are offered (see below for more information about sub-specializations):

| Master of Science, Applied (PT) (M.Sc.A. (PT)) | Prerequisites: A bachelor's degree in the subject selected for graduate work. See appropriate unit. |
| Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) | See School of Social Work. |
| Master of Urban Planning (M.U.P.) | Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning. |

**Master of Architecture Degrees**

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women’s Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).
Special programs:

- M.B.A. with M.D., C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies
The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

**Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

**Master's Degrees in Religious Studies**

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

**Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neurology
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
- Physics
- Physiology; option in Bioinformatics
- Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
- Psychiatry
- Psychology
- Rehabilitation Sciences (Thesis and Non-Thesis)
- Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
- Surgery, Experimental
**Master of Science, Applied, Degrees**

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

**Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.

**Master of Urban Planning Degree**

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

**15.4.3 Doctoral Degrees**

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

<table>
<thead>
<tr>
<th>The following doctoral degrees are offered (see below for more information about sub-specializations):</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

**Doctor of Civil Law Degrees**

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

**Doctor of Music Degrees**

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

**Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:
Anatomy and Cell Biology
Animal Science; option in Bioinformatics
Anthropology; option in Neotropical Environment
Architecture
Art History; option in Gender and Women's Studies
Atmospheric and Oceanic Sciences
Biochemistry; options in Bioinformatics, and Chemical Biology
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
Biomedical Engineering; option in Bioinformatics
Bioresource Engineering; options in Environment, and Neotropical Environment
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Classics
Communication Studies; option in Gender and Women's Studies
Communication Sciences and Disorders; option in Language Acquisition
Computer Science; option in Bioinformatics
Counselling Psychology
Earth and Planetary Sciences; option in Environment
Economics
Educational Psychology
Educational Studies; option in Gender and Women's Studies
Electrical Engineering
English
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics
Food Science and Agricultural Chemistry
French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
The following joint Ph.D. programs are offered:

- Nursing (McGill/Université de Montréal)
- Management (McGill/Concordia/H.E.C./UQAM)
- Social Work (McGill/Université de Montréal)

15.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

15.5 Program Requirements

15.5.1 Master's Degrees

Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a minimum residence requirement of four full-time terms: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study.

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, or internship) can be credited with courses from another university.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and
Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

15.5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.
Thesis Oral Examination – Doctoral

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate’s department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate’s department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

15.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master’s (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master’s and Doctoral Programs”, available from GPS.

15.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master’s (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

15.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

15.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

15.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).
It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

15.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

15.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

15.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language); minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
</table>

McGill University, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012

(Published September 13, 2011)
### 15.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master's. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, **but not as candidates for a degree.** Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), **students must apply to the degree program by the Winter departmental dates for guaranteed consideration.** A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

### 15.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

### 15.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

### 15.6.8 Admission to an Ad Personam Joint Program

**Ad Personam** joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

### 15.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an **Ad Hoc** program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.
Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

**15.6.10 Reinstatement and Admission of Former Students**

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged. 

*Revised – Council of February 9, 2004.*

**15.6.11 Deferral of Admission**

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

**15.7 Fellowships, Awards, and Assistantships**

Graduate and Postdoctoral Studies  
(Fellowships and Awards Section)  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5  
Telephone: 514-398-3990  
Fax: 514-398-2626  
Email: graduate.fellowships@mcgill.ca  
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)


The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droit_scolarite-A_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droit_scolarite-A_pays-organisations.pdf), are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp](http://www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp). The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.
15.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

15.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

15.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status
   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfil the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.
   ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions
   i. Appointments may not exceed your registration eligibility status.
   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.
   iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.
   v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges
   i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.
   ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
   iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering
the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:
   – to verify the Postdoc’s eligibility period for registration;
   – to provide Postdocs with departmental policy and procedures that pertain to them;
   – to oversee the registration and appointment of Postdocs;
   – to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
   – to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
   – to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
   – to include Postdocs in departmental career and placement opportunities;
   – to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
   – to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
   – to provide research guidance;
   – to meet regularly with their Postdocs;
   – to provide feedback on research submitted by the Postdocs;
   – to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
   – to provide mentorship for career development;
   – to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:
   – to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
   – to submit a complete file for registration to Graduate and Postdoctoral Studies;
   – to sign and adhere to their Letter of Agreement for Postdoctoral Education;
   – to communicate regularly with their supervisor;
   – to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:
   – to register Postdocs;
   – to provide an appeal mechanism in cases of conflict;
   – to provide documented policies and procedures to Postdocs;
   – to provide Postdocs with the necessary information on McGill University student services.
15.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

15.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

15.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage.

Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.
15.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

15.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).
vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

15.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.
5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

Senate, September 2003

15.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

15.9.4 Ph.D. Comprehensives Policy

Preamble

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

Objectives and Content

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

Format
The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (on or question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest) for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student Conduct and Disciplinary Procedures (see the [Handbook on Students Rights and Responsibilities](http://www.mcgill.ca/secretariat/policies/students)) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

**i. Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed of writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

**ii. Plagiarism**

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

**iii. Review and Reassessment**

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

**Other Relevant Policies/Offices**

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2011-2012, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, McGill University

(Published September 13, 2011)
The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the student’s and the instructor’s names blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students’ Rights. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.
15.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's "Parental Leave Policy" for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

15.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

15.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

15.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

15.10.1 Policy on Research Ethics

15.10.2 Regulations on Research Policy


15.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

15.10.4 Guidelines for Research Involving Human Subjects


15.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

15.10.6 Policy on Intellectual Property


15.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

15.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

15.10.9 Office of Sponsored Research


15.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

15.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

15.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

15.11.1 Anthropology

15.11.1.1 Location

Department of Anthropology
Stephen Leacock Building
855 Sherbrooke Street West, Room 718
Montreal, QC H3A 2T7
Canada

Telephone: 514-398-4300
Fax: 514-398-7476
Website: www.mcgill.ca/anthropology
15.11.1.2 About Anthropology
Our Department places high priority on research and on maintaining a distinguished graduate program. Each year, we admit only a small number of very highly qualified applicants for studies leading to the M.A. and Ph.D. degrees in Anthropology. Thus, our students benefit from close supervision by their committees and from peer exchange of high quality. By maintaining a high staff/student ratio, we are able to offer our graduate students an unusual degree of flexibility and personalized attention in designing their programs according to their special interests. There are no comprehensive examinations and the program is particularly congenial to students who are self-directed.

section 15.11.1.5: Master of Arts (M.A.); Anthropology (Thesis) (48 credits)
The purpose of the M.A. program is to provide advanced-level training in anthropology and to prepare students for research at the Ph.D. level.

section 15.11.1.6: Master of Arts (M.A.); Anthropology (Thesis) — Development Studies (48 credits)
The Development Studies Option (DSO) is a cross-disciplinary M.A. program that is unique in Canada, if not the world, because it is designed to provide students with a strong practical and theoretical foundation for engaging in genuinely cross-disciplinary research. The option is offered within existing M.A. and Ph.D. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. or Ph.D. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. or Ph.D. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

section 15.11.1.7: Master of Arts (M.A.); Anthropology (Thesis) - Environment (48 credits)
The Environment Option is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues and who wish to benefit from interactions that will occur as they interact with students from a wide range of different disciplines. Through research, seminars and two courses, this option adds a layer of interdisciplinarity that will challenge you to defend your research and think in a broader context. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

section 15.11.1.8: Master of Arts (M.A.); Anthropology (Thesis) — Gender and Women’s Studies (48 credits)
The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet degree requirements in Anthropology (and other participating departments and faculties), who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women’s studies.

section 15.11.1.9: Master of Arts (M.A.); Anthropology (Non-Thesis) (45 credits)
The purpose of the M.A. program is to provide advanced-level training in anthropology and to prepare students for research at the Ph.D. level.

section 15.11.1.10: Master of Arts (M.A.); Medical Anthropology (Thesis) (48 credits)
The M.A. program in Medical Anthropology is given jointly by the Department of Anthropology and the Department of Social Studies of Medicine (SSOM). For additional information, including seminar offerings, please refer to the SSOM section.

M.A. Degree with Research Paper (45 credits)
*(not offered in 2011-2012)*

section 15.11.1.11: Doctor of Philosophy (Ph.D.); Anthropology
The purpose of the Ph.D. program is to enable students to make original contributions to anthropological research in the form of a doctoral thesis. This must be based on a comprehensive understanding of prior research relevant to the topic investigated.

section 15.11.1.12: Doctor of Philosophy (Ph.D.); Anthropology — Neotropical Environment
The Ph.D. program in Neotropical Environment (NEO) is a specialized, interdisciplinary program made possible by collaborating institutions in Canada, Panama, and the United States. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the neotropics and Latin American countries. Students work under the supervision of researchers from McGill and/or the Smithsonian Tropical Research Institute (STRI). This is a research-based option for master's or Ph.D. students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University.
section 15.11.1.11: Doctor of Philosophy (Ph.D.); Anthropology – Sociocultural Stream

The Ph.D. program in socio-cultural anthropology offers a fieldwork-based doctoral training leading to the writing of a Ph.D. thesis. The program is intended for students wishing to concentrate on socio-cultural issues, in and across major geographic areas (Africa, Latin America, Europe, North America, and Asia).

15.11.1.3 Anthropology Admission Requirements and Application Procedures
15.11.1.3.1 Admission Requirements

Master’s

Admission to the M.A. program is open competitively to students holding an Honours or Major B.A. in Anthropology. Outstanding candidates with B.A. degrees in other disciplines but with substantial background related to anthropology are sometimes admitted on the condition that they complete a specified number of additional courses in Anthropology.

The applicants admitted usually have undergraduate grade point averages of 3.5 or above on a 4.0 point scale.

Ph.D.

Admission to the Ph.D. program is open competitively to students with a master’s degree in Anthropology. In very special circumstances, candidates with a master’s degree in related disciplines may be admitted.

15.11.1.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs, Then select the appropriate program.

Applications will be considered upon receipt of:

1. Graduate Application Form;
2. application fee ($100);
3. official transcripts;
4. two letters of recommendation;
5. statement of research interests (including reasons for wanting to pursue them at McGill);
6. test results (GRE); and
7. test results (TOEFL), if required.

(For applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), a minimum TOEFL score of 600 on paper-based or 100 on an Internet-based test (iBT), with each component score not less than 20, is required.)

The Department admissions committee announces its selections by mid-March.

A number of teaching assistantships are available to graduate students in the Department. Applicants who wish to be considered for an assistantship, a McGill Recruitment Fellowship, or for Differential Fee Waivers (for international students) should include a note to that effect with their applications. For information regarding a variety of other fellowship programs, see the Graduate Fellowships and Awards Calendar available at www.mcgill.ca/students/courses/calendars.

Application information is available on the Department website.

15.11.1.4 Anthropology Faculty

Chair

Ronald Niezen

Professors

Colin A. Chapman; B.Sc., M.A., Ph.D.(Alta.) (joint appt. with McGill School of Environment)
Ronald W. Niezen; B.A.(Br. Col.), M.Phil., Ph.D.(Camb.)
Jérôme Rousseau; M.A.(Montr.), Ph.D.(Cant.)
Philip Carl Salzman; A.B.(Antioch), M.A., Ph.D.(Chic.)
Allan Young; B.A.(Penn.), M.A.(Wash.), Ph.D.(Penn.) (joint appt. with Social Studies of Medicine)

Associate Professors

Michael S. Bisson; B.A., M.A., Ph.D.(Calif.)
André Costopoulos; B.A.(McG.), M.Sc.(Montr.), Ph.D.(Oulu, Finland)
Associate Professors
John Galaty; M.A., Ph.D.(Chic.)
Sandra T. Hyde; B.A.(Calif.-Santa Cruz), M.P.H.(Hawaii), Ph.D.(Calif., Berk.)
Carmen Lambert; B.A.(Montr.), M.A., Ph.D.(McG.)
Kristin Norget; B.A.(Vic., BC), M.Phil., D.Phil.(Cant.)
James M. Savelle; B.Sc., M.Sc.(Ott.), M.A.(Ark.), Ph.D.(Alta.)
Colin H. Scott; B.A.(Regina), M.A., Ph.D.(McG.)

Assistant Professors
Gwen Bennett; B.A.(N'western), M.A., Ph.D.(Calif.-LA) (joint appt. with East Asian Studies)
Nicole Couture; B.A.(Trent), M.A., Ph.D.(Chic.)
Eduardo O. Kohn; B.A.(Oberlin), M.A., Ph.D.(Wisc.-Madison)
Setrag Manoukian; B.A.(U. di Venezia), M.A., Ph.D.(Mich.) (joint appt. with Institute of Islamic Studies)
Margaret Lisa Stevenson; B.A.(N. Carolina, Chapel Hill), Ph.D.(Calif., Berk.)
Ismael Vaccaro; B.A.(Barcelona), M.A.(E.H.E.SS. Paris), M.A., Ph.D.(Wash.) (joint appt. with McGill School of Environment)

15.11.1.5 Master of Arts (M.A.); Anthropology (Thesis) (48 credits)
The student's program of work, which is based on his/her research interests, is developed in consultation with the student's supervisor and the two other members of his or her advisory committee.

Thesis Courses (24 credits)
ANTH 699 (24) M.A. Thesis

Required Courses (12 credits)
ANTH 694 (6) M.A. Thesis Tutorial 1
ANTH 695 (6) M.A. Thesis Tutorial 2

Complementary Courses (12 credits)
12 credits of courses to be determined by the student's area of study.

15.11.1.6 Master of Arts (M.A.); Anthropology (Thesis) — Development Studies (48 credits)
The Development Studies Option is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology.

Thesis Courses (36 credits)
ANTH 694 (6) M.A. Thesis Tutorial 1
ANTH 695 (6) M.A. Thesis Tutorial 2
ANTH 699 (24) M.A. Thesis

Required Course (3 credits)
INTD 657 (3) Development Studies Seminar

Complementary Courses
9 credits of courses at the 500, 600, or 700 level to be determined by the student's area of study.
### Master of Arts (M.A.); Anthropology (Thesis) - Environment (48 credits)

#### Thesis Courses (30 credits)

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#### Required Courses (6 credits)

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<td>ENVR 650</td>
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<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
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<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
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#### Complementary Courses (12 credits)

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<td>3</td>
<td>Environment and Health of Species</td>
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<td>ENVR 622</td>
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<td>ENVR 630</td>
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9 credits from:

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<td>3</td>
<td>Advanced Topics in Ethnology</td>
</tr>
<tr>
<td>ANTH 602</td>
<td>3</td>
<td>Theory 1</td>
</tr>
<tr>
<td>ANTH 603</td>
<td>3</td>
<td>Theory 2</td>
</tr>
<tr>
<td>ANTH 607D1</td>
<td>3</td>
<td>Proseminar in Archaeology</td>
</tr>
<tr>
<td>ANTH 607D2</td>
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<td>Proseminar in Archaeology</td>
</tr>
<tr>
<td>ANTH 609D1</td>
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<td>Proseminar in Anthropology</td>
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<tr>
<td>ANTH 609D2</td>
<td>3</td>
<td>Proseminar in Anthropology</td>
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<tr>
<td>ANTH 610</td>
<td>3</td>
<td>Social Organization</td>
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<td>ANTH 611</td>
<td>3</td>
<td>Research Design</td>
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<tr>
<td>ANTH 614</td>
<td>3</td>
<td>Economic Anthropology 1</td>
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<tr>
<td>ANTH 615</td>
<td>3</td>
<td>Seminar in Medical Anthropology</td>
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<tr>
<td>ANTH 616</td>
<td>3</td>
<td>Political Anthropology 1</td>
</tr>
<tr>
<td>ANTH 625</td>
<td>3</td>
<td>Cultural Ecology</td>
</tr>
<tr>
<td>ANTH 631</td>
<td>3</td>
<td>Symbolic Anthropology 1</td>
</tr>
<tr>
<td>ANTH 634</td>
<td>3</td>
<td>Anthropology of Development 1</td>
</tr>
<tr>
<td>ANTH 635</td>
<td>3</td>
<td>Anthropology of Development 2</td>
</tr>
<tr>
<td>ANTH 640</td>
<td>3</td>
<td>Psychological Anthropology 1</td>
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ANTH 648  (3)  Structural Anthropology  
ANTH 652  (3)  Anthropology and Gender  
ANTH 660  (3)  Research Methods  
ANTH 665  (3)  Quantitative Methods  
ANTH 670  (3)  Archaeological Theory 1  
ANTH 671  (3)  Archaeological Theory 2  
ANTH 673  (3)  Archaeological Field Methods  
ANTH 676  (3)  Archaeological Area  
ANTH 680  (3)  Tutorial Reading 1  
ANTH 681  (3)  Tutorial Reading 2  
ANTH 682  (3)  Tutorial Reading 3  
ANTH 683  (3)  Tutorial Reading 4  
ANTH 684  (3)  Tutorial Reading 5  
ANTH 702  (3)  Advanced Anthropological Theory  
ANTH 760  (3)  Advanced Anthropological Methods  
ANTH 770  (3)  Advanced Archaeological Theory  
ANTH 780  (3)  Reading and Research 1  
ANTH 781  (3)  Reading and Research 2  

or another 500-, 600- or 700-level course recommended by the advisory committee and approved by the Environment Option Committee.

15.11.1.8 Master of Arts (M.A.); Anthropology (Thesis) — Gender and Women's Studies (48 credits)

This is an interdisciplinary program for students who meet the degree requirements in Anthropology, who wish to focus on gender and women's studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women's studies.

**Thesis Courses (36 credits)**

ANTH 694  (6)  M.A. Thesis Tutorial 1  
ANTH 695  (6)  M.A. Thesis Tutorial 2  
ANTH 699  (24)  M.A. Thesis  

**Required Course (3 credits)**

WMST 601  (3)  Feminist Theories and Methods  

**Complementary Courses (9 credits)**

6 credits of coursework in Anthropology at the 600 level.

ANTH 615  (3)  Seminar in Medical Anthropology  

3 credits of coursework at the M.A. level relating to gender/women's studies, which may be taken outside the Department

OR

ANTH 615  (3)  Seminar in Medical Anthropology  

15.11.1.9 Master of Arts (M.A.); Anthropology (Non-Thesis) (45 credits)

(not offered in 2011-12)

The Master's degree with research paper is a 45-credit program: five courses (15 credits), a Proseminar (6 credits), and the research paper (24 credits).
The student's program of work is developed in consultation with the student's supervisor and the two other members of his or her advisory committee. It consists of: five courses (seminars or tutorials), only one of which is optional, a research paper proposal, and the research paper. They must also attend the Proseminar. The research paper will normally be based on library research but can involve limited and preferably local fieldwork. The research paper should demonstrate the student's ability to define a problem, place it in a theoretical and factual context, collect and analyse data, and write up a report.

15.11.1.10 Master of Arts (M.A.); Medical Anthropology (Thesis) (48 credits)

This program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences. The M.A. degree is awarded by the Anthropology Department and admission is granted by a joint admissions committee made up of representatives from Anthropology and the Department of Social Studies of Medicine.

Thesis Courses (36 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Credit</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 694</td>
<td>(6)</td>
<td>M.A. Thesis Tutorial 1</td>
</tr>
<tr>
<td>ANTH 695</td>
<td>(6)</td>
<td>M.A. Thesis Tutorial 2</td>
</tr>
<tr>
<td>ANTH 699</td>
<td>(24)</td>
<td>M.A. Thesis</td>
</tr>
</tbody>
</table>

Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Credit</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 615</td>
<td>(3)</td>
<td>Seminar in Medical Anthropology</td>
</tr>
<tr>
<td>HSSM 605</td>
<td>(3)</td>
<td>Medical Anthropology</td>
</tr>
</tbody>
</table>

Complementary Courses (6 credits)

Two Anthropology courses at the 500, 600, or 700 level.

15.11.1.11 Doctor of Philosophy (Ph.D.); Anthropology

Thesis

Required Courses (9 credits)

Note: To ensure that students understand prior research, they must define three subfields which intersect with the thesis topic. They must register for the three Ph.D. tutorials listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Credit</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ANTH 700</td>
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</tr>
<tr>
<td>ANTH 790</td>
<td>(3)</td>
<td>Ph.D. Tutorial 1</td>
</tr>
<tr>
<td>ANTH 791</td>
<td>(3)</td>
<td>Ph.D. Tutorial 2</td>
</tr>
<tr>
<td>ANTH 792</td>
<td>(3)</td>
<td>Ph.D. Tutorial 3</td>
</tr>
</tbody>
</table>

Language Requirement

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

15.11.1.12 Doctor of Philosophy (Ph.D.); Anthropology — Neotropical Environment

All new Neotropical Environment students will be encouraged to spend the month of August (prior to September admission) in Panama to take their first core course and familiarize themselves with the country.

Thesis

Required Courses (15 credits)

If admitted to Ph.D 2

Note: To ensure that students understand prior research, they must define three subfields that intersect with the thesis topic. Students must register for the three Ph.D. tutorial listed below.

<table>
<thead>
<tr>
<th>Code</th>
<th>Credit</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 700</td>
<td>(0)</td>
<td>Ph.D. Preliminary Examination</td>
</tr>
</tbody>
</table>
ANTH 790 (3) Ph.D. Tutorial 1
ANTH 791 (3) Ph.D. Tutorial 2
ANTH 792 (3) Ph.D. Tutorial 3
BIOL 640 (3) Tropical Biology and Conservation
ENVR 610 (3) Foundations of Environmental Policy

**Complementary Courses (3 credits)**

3 credits, at the 500, 600, or 700 level, deemed suitable by the student's supervisor, and pre-approved by the Neotropical Environment Director.

**Language Requirement**

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

**Required Courses (48 credits)**

If admitted to Ph.D. 1

ANTH 602 (3) Theory 1
ANTH 605 (3) Culture Area
ANTH 609 (6) Proseminar in Anthropology
ANTH 611 (3) Research Design
ANTH 660 (3) Research Methods
ANTH 665 (3) Quantitative Methods
ANTH 685 (3) Research Tutorial 1
ANTH 686 (3) Research Tutorial 2
ANTH 700 (0) Ph.D. Preliminary Examination
ANTH 702 (3) Advanced Anthropological Theory
ANTH 760 (3) Advanced Anthropological Methods
ANTH 790 (3) Ph.D. Tutorial 1
ANTH 791 (3) Ph.D. Tutorial 2
ANTH 792 (3) Ph.D. Tutorial 3
BIOL 640 (3) Tropical Biology and Conservation
ENVR 610 (3) Foundations of Environmental Policy

**Complementary Courses (3 credits)**

3 credits, at the 500, 600, or 700 level, deemed suitable by the student's supervisor, and pre-approved by the Neotropical Environment Director.

**Language Requirement**

A language examination, normally French, must be passed before an oral examination of the research proposal may be scheduled. Francophone students can satisfy the language requirement by demonstrating competency in English. The purpose of the language requirement is to ensure that the student has access to anthropological literature in at least two languages. Under special circumstances, a language other than English or French may be substituted, provided that there is sufficient anthropological literature on the student's research topic in that language.

**15.11.2 Art History**

**15.11.2.1 Location**

Department of Art History and Communication Studies
Arts Building, W-225 (West Wing, top floor)
15.11.2.2 About Art History

The graduate program in Art History offers M.A. and Ph.D. degrees and is extremely active. The programs cover a wide range of areas of study delimited by the Department’s fields of specialization, which include the following: Ancient, Medieval, Renaissance, the 17th, 18th, 19th, and 20th Centuries, Contemporary, Canadian, East Asian, Architectural History, New Media, Print Culture, Gender and Sexuality, Race and Representation, and art historical methodologies, notably feminism and postcolonialism. All of our faculty members are outstanding scholars in their respective fields and are involved in a wide range of major collaborative and individual research projects, many involving faculty from other universities, departments, and programs (such as Communication Studies, English and Literary Studies, Histories of Science and Medicine, Religious Studies, Classics, History, and Women’s Studies). These research projects allow us to offer relevant research training opportunities and assistantships to our graduate students.

McGill is situated in one of the most vibrant cities in North America, and Montreal offers myriad opportunities for graduate students to engage with local arts institutions either officially, through internships and research fellowships, or unofficially, through volunteering. Local institutions range from the large-scale public museums (such as the Musée d’art contemporain, the Musée des beaux arts, and the National Gallery of Canada close by in Ottawa) to smaller alternative galleries (such as La Centrale Galerie Powerhouse and Studio XX, feminist arts spaces), as well as university-based venues such as the Redpath Museum on campus and the McCord Museum of Canadian History (which houses the McGill University Archives) and independent contemporary art galleries such as DHC and the Darling Foundry, The Canadian Centre for Architecture, with its archives and exhibitions, and the Bibliothèque et Archives Nationales de Québec also offer grants and research opportunities for local graduate students. A close relationship with the other three major universities in Montreal, Concordia University, Université de Montréal, and Université de Québec à Montréal, affords students access to a broad network of additional courses, lectures, and colleagues across the city.

To obtain financial aid information, please consult the Graduate and Postdoctoral Studies website at www.mcgill.ca/gradschools or email graduate.fellowships@mcgill.ca.

For programs in Art History and Communication Studies, refer to section 15.11.4: Communication Studies and our website: www.mcgill.ca/ahcs.

Residency Requirements

There are residency requirements for both the master’s and the Ph.D. program. The Ph.D. residency requirement is: for students who enter the Ph.D. program at Ph.D. 1 (this is for students who do not have a master’s degree – i.e., fast-tracked from a B.A. into the Ph.D.), nine full-time terms (Ph.D. 1, Ph.D. 2, and Ph.D. 3); for students who enter the Ph.D. program at Ph.D. 2 (these students have a master's degree), six full-time terms (Ph.D. 2, Ph.D. 3). All Ph.D. students must also be registered full-time in year Ph.D. 4. Once the residency requirements have been fulfilled, the student is then in additional session and may continue in additional session until the end of M.A. 3 or Ph.D. 7.

Coursework

Before classes begin, each student will meet with an adviser to determine an appropriate selection of courses, which, when considered with the previous record, balances breadth of coverage and specialization. The candidate is required to pass, with a mark of 65% (B-) or better, all those courses that have been recorded, balances breadth of coverage and specialization. The candidate is required to pass, with a mark of 65% (B-) or better, all those courses that have been entered on the registration form. A few extra courses may be taken, but it is then the responsibility of the student to see that these courses are clearly marked “not required” on the registration form. M.A. students who have selected the graduate option in Gender and Women’s Studies are required to take 6 credits (within the total credits that are required for the M.A. degree); WMST 601 (3 credits) is a required course, and the complementary course can be either WMST 602 or another 3-credit course related to gender and women’s studies. All course selection must first be approved by the supervisor/Graduate Program Director.

section 15.11.2.5: Master of Arts (M.A.); Art History (Non-Thesis) (45 credits)

Please contact the Department for more information about this program.

section 15.11.2.6: Master of Arts (M.A.); Art History (Non-Thesis) — Gender and Women’s Studies (45 credits)

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women’s studies.

section 15.11.2.7: Doctor of Philosophy (Ph.D.); Art History

Please contact the Department for more information about this program.

section 15.11.2.8: Doctor of Philosophy (Ph.D.); Art History — Gender and Women’s Studies

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women’s studies.
15.11.2.3 Art History Admission Requirements and Application Procedures

15.11.2.3.1 Admission Requirements

Entrance into either the M.A. or Ph.D. programs is limited to the best qualified applicants. A minimum CGPA of 3.3 or the equivalent, i.e. 75%, is highly recommended. The Department requires a research statement of at least 250 words outlining the candidate's particular research interest in Art History as well as a sample of his/her written work such as a seminar paper or, in the case of Ph.D. applicants, all or part of the M.A. paper or thesis. For a complete list of materials required see the Application Checklist below.

M.A. Program

To apply to the M.A. program, candidates are normally expected to have a B.A. degree in art history or in another closely related field; candidates may come from other fields such as literary studies, comparative literature, ethnic studies, Canadian studies, architecture, urban planning, film studies, history, performance studies, or philosophy/aesthetics, but must have taken at least 10 courses relating to the history and theory of some aspect of the visual arts, preferably covering a wide range of historical time periods and geographical regions. In exceptional cases, applicants without a strong background in art history may be admitted but with additional requirements arranged in consultation with the Director of Graduate Studies to be completed before matriculation in the M.A. program.

Ph.D. Program

In order to apply to the Ph.D. program, candidates must hold an M.A. degree preferably in art history or in a closely related field together with an appropriate number of art history and related courses such as are described for entrance into the M.A. program. All candidates for the Ph.D. program are strongly advised to contact a potential supervisor well in advance of submitting the application in order to establish a relationship. Applicants who have not vetted their research proposal (application statement) with a potential supervisor are unlikely to be admitted.

15.11.2.3.2 Application Procedures

Application Deadlines

Dates for Guaranteed Consideration:

- M.A.: January 15 for following September admission.
- Ph.D.: January 15 for following September admission.

Note: There are no January admissions for the M.A. and Ph.D. programs.

The only application method is online via the McGill website at www.mcgill.ca/applying/online. For any problems with your online application contact the Graduate and Postdoctoral Studies Office (www.mcgill.ca/gps).

Application Checklist

All supplemental application materials should be forwarded to:

Graduate Administrative Coordinator
Department of Art History and Communication Studies
McGill University
Arts Building, Room W225
853 Sherbrooke Street West
Montreal, QC H3A 2T6
Canada

1. Application form (to be filled out online).
2. Application fee (payable by credit card when filling out the online application).
3. Transcripts (two official copies).*
4. Two letters of recommendation (each accompanied by the following "Recommendation Form" filled out by the letter writer: Recommendation Form [pdf], Recommendation Form [doc]).*
5. Written samples (one sample in English or French).
6. A research statement outlining the area or project to be pursued at McGill.
7. Proof of Citizenship (Copy of Passport or Birth Certificate).
8. For international applicants whose first language is not English please see www.mcgill.ca/gradapplicants/apply/prepare/requirements/proficiency.

* TRANSCRIPTS AND RECOMMENDATION LETTERS: The two official sets of transcripts and the two letters of recommendation with forms may be mailed directly from your university to our department or they may be included in your application package provided the letters with forms are sealed in envelopes and signed by the recommender across the seal. The letters must be written on the department letterhead of the person writing the letter.

For any admissions problems, please contact Maureen Coote, the Graduate Administrative Coordinator (Office: Arts W235; Phone: 514-398-4933; Email: maureen.coote@mcgill.ca).
15.11.2.4 Art History and Communication Studies Faculty

Chair
Will Straw

Directors
Darin Barney – Director, Graduate Programs in Communication Studies
Amelia Jones – Director, Graduate Programs in Art History
Cecily Hillsdale – Director of Undergraduate Programs in Art History
Roberta G. Lentz – Director of Undergraduate Programs in Communication Studies

Emeritus Professors
John M. Fossey; B.A.(Birm.), D.U.(Lyon II), F.S.A., R.P.A.
George Szanto; B.A.(Dart.), Ph.D.(Harv.)

Professors
Amelia Jones; B.A.(Harv.); M.A.(Penn.); Ph.D.(Calif.)
Marc Raboy; B.Sc., M.A., Ph.D.(McG.)
Christine Ross; M.A.(C’dia.), Ph.D.(Paris I)
Will Straw; B.A.(Car.), M.A., Ph.D.(McG.)

Associate Professors
Darin Barney; B.A., M.A.(S. Fraser), Ph.D.(Tor.)
Jenny Burman; B.A.(C’dia), M.A., Ph.D.(York)
Charmaine Nelson; B.F.A., M.A.(C’dia), Ph.D.(Manc.)
Carrie Rentschler; B.A.(Minn.), M.A., Ph.D.(Ill.-Urbana-Champaign)
Jonathan Sterne; B.A.(Minn.), M.A., Ph.D.(Ill.-Urbana-Champaign)
Angela Vanhaelen; B.A.(W. Ont.), M.A., Ph.D.(Br. Col.)

Assistant Professors
Cecily Hillsdale; B.F.A.(C’dia), M.A., Ph.D.(Chic.)
Mary Hunter; B.A.(Qu.), M.A., Ph.D.(Lond.)
Matthew Hunter; B.A.(Reed), M.A., Ph.D.(Chic.)
Roberta G. Lentz; B.A.(Arkansas), M.A.(Ill.-Chic.), Ph.D.(Texas-Austin)

Adjunct Professors
Cornelius Borck, Johanne Lamoureux, Charles Levin, Bronwen Wilson

15.11.2.5 Master of Arts (M.A.); Art History (Non-Thesis) (45 credits)

Research Project (18 credits)

<table>
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<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tr>
<td>ARTH 606</td>
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<td>Research Paper Preparation</td>
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<tr>
<td>ARTH 607</td>
<td>3</td>
<td>Research Paper Proposal</td>
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<tr>
<td>ARTH 608</td>
<td>6</td>
<td>Research Paper 1</td>
</tr>
<tr>
<td>ARTH 609</td>
<td>6</td>
<td>Research Paper 2</td>
</tr>
</tbody>
</table>
Required Course (3 credits)
ARTH 600 (3) Advanced Professional Seminar

Complementary Courses (24 credits)
Chosen from the following:
ARTH 617 (3) Modern Art
ARTH 618 (3) Art History - 1400-1900 1
ARTH 630 (3) Directed Reading 1
ARTH 641 (3) Topics: Greek Art & Archaeology
ARTH 642 (3) Topics: Roman Art & Archaeology
ARTH 643 (3) Topics: Medieval Art & Architecture
ARTH 646 (3) Topics: Chinese Visual Culture
ARTH 647 (3) Topics: Renaissance Art & Architecture 1
ARTH 648 (3) Topics: Renaissance Art & Architecture 2
ARTH 653 (3) Topics: Early Modern Visual Culture 1
ARTH 654 (3) Topics: Early Modern Visual Culture 2
ARTH 655 (3) Topics: Baroque Art and Architecture
ARTH 656 (3) Topics: 17th - Century Art & Architecture 1
ARTH 657 (3) Topics: 17th - Century Art & Architecture 2
ARTH 660 (3) Contemporary Art & Criticism 1
ARTH 661 (3) Contemporary Art & Criticism 2
ARTH 673 (3) Topics: 18th - Century Art & Architecture 1
ARTH 674 (3) Topics: 18th - Century Art & Architecture 2
ARTH 675 (3) Topics: 19th - Century Art & Architecture 1
ARTH 678 (3) Topics: 19th - Century Art & Architecture 2
ARTH 679 (3) Topics: Canadian Art & Visual Culture 1
ARTH 687 (3) Topics: Canadian Art & Visual Culture 2

or from the 700-level complementary courses listed for the Ph.D.

Normally only 3 credits at the 500 level are permitted.
Alternatively, up to 6 credits may be from other disciplines, as approved by the Department.
3 credits may be taken at another approved university.

Language Requirement
In addition to possessing a proficiency in English and French, students must demonstrate reading knowledge of any language relating to their research project assessed by means of a written translation of a text.

15.11.2.6 Master of Arts (M.A.); Art History (Non-Thesis) — Gender and Women’s Studies (45 credits)
The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in Art History who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The final research paper must be on a topic centrally related to gender and/or women’s studies. The term “research paper” here refers to the major research paper that students in the non-thesis stream normally (but not necessarily) write for a graduate seminar or independent reading course during the academic year and then revise and expand during the following summer under the supervision of a faculty member.

Research Project (18 credits)
Required Courses (6 credits)

- ARTH 600 (3) Advanced Professional Seminar
- WMST 601 (3) Feminist Theories and Methods

Complementary Courses (21 credits)

All complementary courses must be at the 500 level or higher.

3 credits of coursework must be either:

- WMST 602 (3) Feminist Research Symposium

OR, a 3-credit option-approved course taught outside of WMST (e.g., an option-approved Art History course, COMS 633 Feminist Media Studies (3), or an option-approved course taught in another discipline).

3 credits may be taken at another university in Montreal.

Language Requirement

In addition to possessing a proficiency in English and French, students must demonstrate reading knowledge of any language relating to their research project assessed by means of a written translation of a text.

15.11.2.7 Doctor of Philosophy (Ph.D.); Art History

Thesis

Required Courses (3 credits)

- ARTH 600 (3) Advanced Professional Seminar
- ARTH 701 (0) Ph.D. Comprehensive Examination

Complementary Courses (12 credits)

Four courses chosen from the following:

- ARTH 711 (3) Studies in the Graphic Arts 1
- ARTH 712 (3) Studies in the Graphic Arts 2
- ARTH 713 (3) Studies in the Graphic Arts 3
- ARTH 714 (3) Directed Reading 2
- ARTH 715 (3) Research: Modern Architecture - 1750 to Present 1
- ARTH 716 (3) Research: Modern Architecture - 1750 to Present 2
- ARTH 717 (3) Seminar in Urban Planning and Topography 1
- ARTH 718 (3) Seminar in Urban Planning and Topography 2
- ARTH 719 (3) Seminar in Urban Planning and Topography 3
- ARTH 720 (3) Studies of Drawings 1
- ARTH 721 (3) Studies of Drawings 2
- ARTH 722 (3) Studies of Drawings 3
ARTh 723 (3) Art Criticism 1
ARTh 724 (3) Art Criticism 2
ARTh 725 (3) Methods in Art History 1
ARTh 730 (3) Current Problems in Art History 1
ARTh 731 (3) Current Problems in Art History 2

or from the 600-level complementary courses listed for the M.A.
Alternatively, up to 3 of the 12 credits may be from other disciplines, as approved by the Department.

Language Requirement
In addition to possessing a proficiency in English and French, students must demonstrate reading knowledge of any language, if necessary, relating to their research project assessed by means of a written translation of a text.

15.11.28 Doctor of Philosophy (Ph.D.); Art History — Gender and Women’s Studies
Students should refer to the Departmental website for information about Ph.D. residency and timing.
The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in Art History who wish to earn 9 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The student’s doctoral thesis must be on a topic centrally relating to issues of gender and/or women’s studies.

Thesis
Required Courses (9 credits)
ARTh 600 (3) Advanced Professional Seminar
ARTh 701 (0) Ph.D. Comprehensive Examination
WMST 601 (3) Feminist Theories and Methods
WMST 602 (3) Feminist Research Symposium

Complementary Courses (9 credits)
An additional 9 credits in Art History, of which 3 credits must be a graduate option-approved 500- or 600-level ARTh course.

Language Requirement
In addition to possessing a proficiency in English and French, students must demonstrate reading knowledge of any language relating to their research project assessed by means of a written translation of a text.

15.11.3 Classics
See section 15.11.12: History and Classical Studies.

15.11.4 Communication Studies
15.11.4.1 Location
Department of Art History and Communication Studies
Arts Building, W-225 (West Wing, top floor)
853 Sherbrooke Street West
Montreal, QC H3A 2T6
Canada

Telephone: 514-398-4933
Fax: 514-398-7247
Email: graduate.ahcs@mcgill.ca
Website: www.mcgill.ca/ahcs
15.11.4.2 About Communication Studies

The graduate program in Communication Studies offers M.A. and Ph.D. degrees. The program is concerned with the study of communication phenomena through interdisciplinary training that draws on a variety of fields including cultural studies, critical media and technology studies, public policy and governance, film, and sound studies. The program strives to offer a balance of humanities and social sciences approaches to the analysis of communication, and its orientation is primarily qualitative (rather than quantitative) in nature. The M.A. and Ph.D. degrees are academic in character, and do not include professional training in journalism, organizational communication, or media production. The graduate option in Gender and Women’s Studies is available as a program option, and students benefit from the resources and activity of Media@McGill, a hub of research and public outreach on critical issues in media, culture, and emerging technology.

McGill is situated in one of the most vibrant cities in North America, and Montreal offers myriad opportunities for graduate students to engage with local arts institutions either officially, through internships and research fellowships, or unofficially, through volunteering. Institutions range from the large-scale public museums (such as the Musée d’art contemporain, and the Musée des beaux-arts) to smaller alternative galleries (such as La Centrale Galerie Powerhouse and Studio XX, feminist arts spaces), as well as university-based venues such as the Redpath Museum on campus and the McCord Museum of Canadian History (which houses the McGill University Archives) and independent contemporary art galleries such as DHC and the Darling Foundry. The Canadian Centre for Architecture, with its archives and exhibitions, also offers grants and research opportunities for local graduate students. A close relationship with the other three major universities in Montreal, Concordia University, Université de Montréal, and Université de Québec à Montréal, affords students access to a broad network of additional courses, lectures, and colleagues across the city.

The Communication Studies program offers courses and directs project research in preparation for the M.A. Thesis and Ph.D. in Communication Studies.

For more information on the program, please visit our website: [www.mcgill.ca/ahcs](http://www.mcgill.ca/ahcs).

To obtain funding information, please consult Graduate and Postdoctoral Studies, McGill University, James Administration Building, Room 400, 845 Sherbrooke Street West, Montreal, Quebec, H3A 2T5. Telephone: 514-398-3990. Website: [www.mcgill.ca/gps](http://www.mcgill.ca/gps).

For programs in Art History and Communication Studies, refer to our website: [www.mcgill.ca/ahcs](http://www.mcgill.ca/ahcs).

Master's and Ph.D. Degrees

The master's program requires a three-semester residency, the successful completion of a total of seven courses (21 credits, including the Pro-Seminar course), a thesis (equivalent to 24 credits), and the fulfillment of a French language requirement. Three years of residence are normally required for the Ph.D. degree (candidates with an M.A. will be admitted at the Ph.D. 2 level of the doctoral program, thereby gaining credit for one year of resident study). The Ph.D. program of study is comprised of five courses (15 credits), the Pro-Seminar (3 credits), a comprehensive examination (0 credits), a dissertation proposal, and a written dissertation with its defense. At the beginning of the third year of study, Ph.D. students are required to satisfy a French Language Requirement demonstrating French language ability in their area of research. Ph.D. students who have selected the graduate option in Gender and Women’s Studies are required to take 9 credits (within the total credits that are required for the Ph.D. degree); WMST 601 AND WMST 602 are required plus one 3-credit complementary Art History course related to gender and women’s studies. All course selection must first be approved by the supervisor/graduate program director.

Students enter our graduate programs from a variety of disciplinary backgrounds, though all have a history of documented academic excellence and aptitude for advanced scholarly research. Over the past 30 years, the Graduate Program in Communication Studies has trained many of Canada's leading communications scholars. Graduates of the program may be found working in all levels of government, within the cultural industries, and in dozens of university Communication Studies departments around the world.

section 15.11.4.5: Master of Arts (M.A.); Communication Studies (Thesis) (45 credits)

The M.A. in Communication Studies offers advanced training in the critical, historical, and theoretical analysis of communication in culture, communication technology, and communication policy.

section 15.11.4.6: Master of Arts (M.A.); Communication Studies (Thesis) — Gender and Women's Studies (45 credits)

The graduate option in Gender and Women's Studies (GWS) provides graduate students obtaining degrees in a variety of participating departments and faculties with a cross-disciplinary specialization in feminist, women's, and gender studies. This program is open to graduate students at McGill University enrolled in a department that has approved the option. Students who pursue this option obtain a graduate degree in their own department as well as an “option/concentration” in Gender and Women’s Studies (GWS), if the option has been approved by the given department. Thus, the graduate option in Gender and Women’s Studies (GWS) will appear on a student’s transcript along with the designated graduate degree (M.A. or Ph.D.). The option was developed by the Women’s Studies Program in response to needs expressed by the Graduate Group for Feminist Scholarship (GGFS) and to the range of inquiries the Women's Studies Program regularly receives from potential students interested in graduate-level work with a feminist focus at McGill University. There are no prerequisites to enter into the option. However, undergraduate or graduate courses in gender or women’s studies provide an ideal foundation for more in-depth study of and research in feminist scholarship. The thesis must be on a topic centrally related to gender and/or women's studies.

section 15.11.4.7: Master of Arts (M.A.); Communication Studies (Non-Thesis) (45 credits)

Please contact the Department for more information about this Non-Thesis option.

section 15.11.4.8: Doctor of Philosophy (Ph.D.); Communication Studies

The Ph.D. in Communication Studies offers in-depth training in the critical, historical, and theoretical analysis of communication in culture, communication technology, and communication policy. Doctoral students pursue coursework, submit a comprehensive exam and thesis proposal, with the goal of writing a dissertation that makes an original contribution to knowledge in Communication Studies. The Ph.D. degree is academic in character, and does not include professional training in media production.
The graduate option in Gender and Women's Studies (GWS) provides graduate students obtaining degrees in a variety of participating departments and faculties with a cross-disciplinary specialization in feminist, women's, and gender studies. This program is open to graduate students at McGill University enrolled in a department that has approved the option. Students who pursue this option obtain a graduate degree in their own department as well as an “option/concentration” in Gender and Women’s Studies (GWS), if the option has been approved by the given department. Thus, the graduate option in Gender and Women’s Studies (GWS) will appear on a student’s transcript along with the designated graduate degree (M.A. or Ph.D.). The option was developed by the Women’s Studies Program in response to needs expressed by the Graduate Group for Feminist Scholarship (GGFS) and to the range of inquiries the Women’s Studies Program regularly receives from potential students interested in graduate-level work with a feminist focus at McGill University. There are no prerequisites to enter into the option. However, undergraduate or graduate courses in gender or women’s studies provide an ideal foundation for more in-depth study of and research in feminist scholarship.

15.11.4.3 Communication Studies Admission Requirements and Application Procedures

15.11.4.3.1 Admission Requirements

M.A.

An honors bachelor's degree or equivalent is required of applicants for the M.A. program, with a minimum CGPA of 3.3 out of 4.0 or the equivalent, i.e., B+ (75%). In any case, the transcript must show breadth or depth in related areas of study.

Ph.D.

Applicants for the Ph.D. program are expected to have completed the equivalent of an M.A. degree. Admission will be based on academic achievement and evidence of talent and strong motivation in Communication Studies.

15.11.4.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Note: We are not willing to consider any applications to be admitted for the Winter/Summer term.

Applications will be considered by the deadline of January 15 and upon receipt of:

1. Completed and signed application form.

2. A non-refundable application fee of CAD$100 must accompany each application (including McGill students), otherwise it cannot be considered. This sum must be remitted by credit card only.

3. Two official copies of all transcripts are required for admission. Transcripts written in a language other than English or French must be accompanied by a certified translation. An explanation of the grading system used by the applicant’s university is essential. It is the applicant’s responsibility to arrange for transcripts to be sent. Documents submitted will not be returned. It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only.

4. Two letters of recommendation on letterhead or bearing the university seal and with original signatures from two instructors familiar with the applicant’s work, preferable in the applicant’s area of specialization, are required. It is the applicant’s responsibility to arrange for these letters to be sent.

5. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by completing the TOEFL exams (minimum score 550 on the paper-based test, or 86 on the Internet-based test, with each component score not less than 20). Results must be submitted as part of the application.

6. Statement of interest of at least 500 words addressing the student’s interest in communication studies and the proposed area of research.

7. Two examples of written work.

8. Proof of citizenship (certified photocopy of passport, birth certificate, or equivalent).

Inquiries regarding the program should be addressed to the Graduate Administrative Coordinator, Department of Art History and Communication Studies.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

15.11.4.4 Art History and Communication Studies Faculty

Chair

Will Straw

Directors

Darin Barney – Director, Graduate Programs in Communication Studies
Amelia Jones – Director, Graduate Programs in Art History
Cecily Hilsdale – Director, Undergraduate Programs in Art History
## Directors

Becky Lentz – *Director, Undergraduate Programs in Communication Studies*

## Emeritus Professors

John M. Fossey; B.A.(Birm.), D.U.(Lyon II), F.S.A., R.P.A.
George Szanto; B.A.(Dart.), Ph.D.(Harv.)

## Professors

Amelia Jones; B.A.(Harv.), M.A.(Penn.), Ph.D.(Calif.)
Marc Raboy; B.Sc., M.A., Ph.D.(McG.)
Christine Ross; M.A.(C'dia), Ph.D.(Paris I)
Will Straw; B.A.(Car.), M.A., Ph.D.(McG.)

## Associate Professors

Darin Barney; B.A., M.A.(S. Fraser), Ph.D.(Tor.)
Jenny Burman; B.A.(C'dia), M.A., Ph.D.(York)
Charmaine Nelson; B.F.A., M.A.(C'dia), Ph.D.(Manc.)
Carrie Rentschler; B.A.(Minn.), M.A., Ph.D.(Ill.-Urbana-Champaign)
Jonathan Sterne; B.A.(Minn.), A.M., Ph.D.(Ill.-Urbana-Champaign)
Angela Vanhaelen; B.A.(W. Ont.), M.A., Ph.D.(Br. Col.)

## Assistant Professors

Cecily Hilsdale; B.F.A.(C’dia), M.A., Ph.D.(Chic.)
Mary Hunter; B.A.(Qu.), M.A., Ph.D.(Lond.)
Matthew Hunter; B.A.(Reed), M.A., Ph.D.(Chic.)
Roberta G. Lentz; B.A.(Arkansas), M.A.(Ill.-Chic.), Ph.D.(Texas-Austin)

## Adjunct Professors

Cornelius Borck, Johanne Lamoureux, Charles Levin, Bronwen Wilson

### 15.11.4.5 Master of Arts (M.A.); Communication Studies (Thesis) (45 credits)

The M.A. in Communication Studies offers advanced training in the critical, historical, and theoretical analysis of communication in culture, communication technology, and communication policy. M.A. students pursue coursework and write an M.A. thesis that reflects sustained analysis of a topic in Communication Studies. The M.A. degree is academic in character, and does not include professional training in media production.

#### Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 692</td>
<td>6</td>
<td>M.A. Thesis Preparation 1</td>
</tr>
<tr>
<td>COMS 693</td>
<td>6</td>
<td>M.A. Thesis Preparation 2</td>
</tr>
<tr>
<td>COMS 694</td>
<td>6</td>
<td>M.A. Thesis Preparation 3</td>
</tr>
<tr>
<td>COMS 695</td>
<td>6</td>
<td>M.A. Thesis Preparation 4</td>
</tr>
</tbody>
</table>

#### Required Course (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 616</td>
<td>3</td>
<td>Staff-Student Colloquium 1</td>
</tr>
</tbody>
</table>

#### Complementary Courses (18 credits)
18 credits of 500-level or higher COMS courses; two courses outside COMS require approval of the Graduate Program Director.

**Language Requirement**

Reading competency in French as a second language is required.

### 15.11.4.6 Master of Arts (M.A.); Communication Studies (Thesis) — Gender and Women's Studies (45 credits)

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Communication Studies who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women's studies.

**Thesis Courses (24 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 692</td>
<td>6</td>
<td>M.A. Thesis Preparation 1</td>
</tr>
<tr>
<td>COMS 693</td>
<td>6</td>
<td>M.A. Thesis Preparation 2</td>
</tr>
<tr>
<td>COMS 694</td>
<td>6</td>
<td>M.A. Thesis Preparation 3</td>
</tr>
<tr>
<td>COMS 695</td>
<td>6</td>
<td>M.A. Thesis Preparation 4</td>
</tr>
</tbody>
</table>

**Required Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 616</td>
<td>3</td>
<td>Staff-Student Colloquium 1</td>
</tr>
<tr>
<td>WMST 601</td>
<td>3</td>
<td>Feminist Theories and Methods</td>
</tr>
</tbody>
</table>

**Complementary Courses (15 credits)**

All complementary courses must be at the 500 level or higher in Communication Studies.

3 credits of complementary coursework must be in Gender and Women's Studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 602</td>
<td>3</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

OR, one 3-credit course on gender/women's issues at the 500-, 600-, or 700- level (may be in the Department or outside).

**Language Requirement**

Reading competency in French as a second language.

### 15.11.4.7 Master of Arts (M.A.); Communication Studies (Non-Thesis) (45 credits)

**Research Project (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 696</td>
<td>6</td>
<td>Research Project 1</td>
</tr>
<tr>
<td>COMS 697</td>
<td>6</td>
<td>Research Project 2</td>
</tr>
</tbody>
</table>

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 611</td>
<td>3</td>
<td>History/Theory/Technology</td>
</tr>
<tr>
<td>COMS 613</td>
<td>3</td>
<td>Gender and Technology</td>
</tr>
<tr>
<td>COMS 616</td>
<td>3</td>
<td>Staff-Student Colloquium 1</td>
</tr>
<tr>
<td>COMS 617</td>
<td>3</td>
<td>Staff-Student Colloquium 2</td>
</tr>
<tr>
<td>COMS 619</td>
<td>3</td>
<td>Material Culture &amp; Communications</td>
</tr>
</tbody>
</table>

**Complementary Courses (21 credits)**

**History of Communication (6 credits)**

Two courses chosen from the following:
COMS 521 (3) Communications in History
COMS 623 (3) Information Design
COMS 625 (3) Media Policy
COMS 629 (3) Canadian Cultural Communications Policy

Community and Gender in Communication (6 credits)
Two courses from the following:
COMS 631 (3) Textual Analysis of Media
COMS 633 (3) Feminist Media Studies
COMS 637 (3) Historiography of Communications
COMS 639 (3) Interpretive Methods in Media

Media Studies and Technology (6 credits)
Two courses chosen from the following:
COMS 541 (3) Cultural Industries
COMS 643 (3) Cultural Studies of News
COMS 646 (3) Popular Media
COMS 649 (3) Audience Analysis

One additional 500-, 600-, or 700-level COMS course or, with the permission of the Graduate Program Director, a graduate-level course in Anthropology, Architecture, Art History, English, Philosophy, Political Science, or Sociology.

15.11.4.8 Doctor of Philosophy (Ph.D.); Communication Studies
Candidates with an M.A. degree will be admitted at the Ph.D. 2 level, thereby gaining credit for one year of resident study. When admitted at Ph.D. 2 level, two years of residence are required for the doctoral degree.

Thesis
Required Courses (3 credits)
COMS 616 (3) Staff-Student Colloquium 1
COMS 702 (0) Comprehensive Examination
COMS 703 (0) Dissertation Proposal

Complementary Courses (15 credits)
15 credits of 500-, 600-, or 700-level COMS courses; one course outside COMS requires approval of the Graduate Program Director.

Language Requirement
Competence in French as a second language

15.11.4.9 Doctor of Philosophy (Ph.D.); Communication Studies — Gender and Women's Studies
Candidates with an M.A. degree will be admitted at the Ph.D. 2 level, thereby gaining credit for one year of resident study. When admitted at Ph.D. 2 level, two years of residence are required for the doctoral degree.

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Communication Studies who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Thesis
Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMS 616</td>
<td>(3)</td>
<td>Staff-Student Colloquium 1</td>
</tr>
<tr>
<td>COMS 702</td>
<td>(0)</td>
<td>Comprehensive Examination</td>
</tr>
<tr>
<td>COMS 703</td>
<td>(0)</td>
<td>Dissertation Proposal</td>
</tr>
<tr>
<td>WMST 601</td>
<td>(3)</td>
<td>Feminist Theories and Methods</td>
</tr>
<tr>
<td>WMST 602</td>
<td>(3)</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

Complementary Courses (9 credits)
9 credits of 500-, 600-, or 700-level courses which must include one 3-credit course on gender/women's issues at the graduate level (may be in the Department or outside).

Language Requirement
Competence in French as a second language

15.11.5 East Asian Studies

15.11.5.1 Location
Department of East Asian Studies
3434 McTavish Street, Room 203
Montreal, QC H3A 1X9
Canada

Telephone: 514-398-6742
Fax: 514-398-1882
Email: gradinquiry@eps.mcgill.ca
Website: www.mcgill.ca/eas

15.11.5.2 About East Asian Studies
The Department of East Asian Studies specializes in modern and literary Chinese and Japanese, and modern Korean, and in emerging fields of cultural analysis including cultural studies, women's literature, and the history of medicine, science, and technology. Research concentrations include East Asian literature, popular culture and religion, aesthetics, performance and politics, gender studies, film and media studies, early Chinese philosophy and newly excavated texts, and Chinese historical archaeology. The Department provides graduate training in the China and Japan fields at both the M.A. and Ph.D. levels. Candidates may study with Associate Members in other departments and faculties specializing in East Asia. Library holdings exceed 80,000 volumes and are being continually expanded. Candidates are expected to use primary and secondary sources in their theses and to spend time in Asia gathering data for their research topics. East Asian Studies provides excellent preparation for a future career in the professions, international business management, education, law, journalism, and communications, in addition to the necessary training for advanced study at the graduate level.

Members of the Department of East Asian Studies are recognized as being leading international experts in their chosen fields and disciplines, with numerous publications and honours to their credit.

The Centre for East Asian Research (CEAR), affiliated with the Department of East Asian Studies, actively supports and encourages community outreach. It offers a wide range of activities throughout the year such as lectures, presentations, seminars, workshops, speech contests, cultural activities, and additions of new associate members.

section 15.11.5.5: Master of Arts (M.A.); East Asian Studies (Thesis) (Ad Hoc) (45 credits)
Both the M.A. and Ph.D. programs require a thesis that engages with current theoretical and methodological issues and uses both primary and secondary sources in East Asian languages. Entering students are expected to have a background and/or degree in disciplines relating to East Asia and have knowledge of an East Asian language. Graduates of our programs are pursuing careers in academia, publishing, government service, the financial industry, media and communications, and other fields.

section 15.11.5.6: Doctor of Philosophy (Ph.D.); East Asian Studies (Ad Hoc)
Both the M.A. and Ph.D. programs require a thesis that engages with current theoretical and methodological issues and uses both primary and secondary sources in East Asian languages. Entering students are expected to have a background and/or degree in disciplines relating to East Asia and have knowledge of an East Asian language. Graduates of our programs are pursuing careers in academia, publishing, government service, the financial industry, media and communications, and other fields.
15.11.5.3 East Asian Studies Admission Requirements and Application Procedures

15.11.5.3.1 Admission Requirements

**General**

A minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years.

**Competency in English**

TOEFL, GRE, and IELTS (if applicable).

Applicants who have not studied at a Canadian institution must submit official copies of their Graduate Record Examination at the time of application. A minimum TOEFL score of 577 on the paper-based test (or 86 on the Internet-based test; no less than 20 in each of the four component scores) is required of all applicants whose mother tongue is not English and who have not completed an undergraduate or graduate degree at a foreign institution where English is the language of instruction or at a recognized Canadian institution (anglophone or francophone). Alternatively, students proving their English proficiency may use the IELTS (International English Language Testing System) examination, for which the minimum score is an overall band average of 6.5.

**M.A.**

Applicants must hold, or expect to hold by September of the year of entry, a Bachelor's degree in East Asian Studies or a related field. Applicants are expected to have proficiency in the East Asian language(s) most useful for the proposed graduate work (preferably three years or more of coursework, or equivalent).

**Ph.D.**

Applicants must hold, or expect to hold by September of the year of entry, a master's degree in East Asian Studies or a related field.

15.11.5.3.2 Application Procedures

**Completing the Application:**


In addition to the application form, which is to be completed online, a student must also submit:

1. **Official transcripts** of each university or college the student has attended. Two copies of each transcript must be sent directly from the university or college to the department.

2. **Two letters of reference** submitted on the official letterhead of the recommending professor's department.

3. **Curriculum vitae** and a research statement. The research statement (approximately 500 words for master's and five pages for Ph.D. applicants) should indicate potential supervisor, the field of study that the applicant wishes to pursue, and the reasons for applying to the program. A description of the proposed research project, with brief bibliography, should be included. All of the above should be submitted directly to Graduate Admissions, Department of East Asian Studies.

4. **An application fee** of $100 Canadian (this cannot be waived). Please note that you will be requested to pay the fee at the time that you submit your online application form.

5. **Test scores:** Any student who has not studied at a Canadian institution must submit official copies of their GRE (Graduate Record Examination) scores. These scores must come directly from the Educational Testing Service; a photocopy is not accepted.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

We encourage applications via McGill’s online application form for graduate program students available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

15.11.5.4 East Asian Studies Faculty

**Chair**

Professor Robin D.S. Yates

**Director of Graduate Program**

TBA

**Professors**

Kenneth Dean; B.A. (Brown), M.A., Ph.D. (Stan.)

Grace S. Fong; B.A., M.A. (Tor.), Ph.D. (Br. Col.)

Thomas LaMarre; B.A. (G'town), M.A., Ph.D. (Chic.), D.Sc. (Aix-Marseille II)

Robin D.S. Yates; B.A., M.A. (Oxf.), M.A. (Calif.), Ph.D. (Harv.) (joint appt. with History)
Assistant Professors
Gwen Bennett; B.A. (N'Western), M.A., Ph.D. (Calif.-LA) (joint appt. with Anthropology)
Victor Fan; B.M. (Roch.), M.F.A. (USC), Ph.D. (Yale)
Yuriko Furuhata; B.A. (Int'l. Christian), M.A. (N. Mexico), Ph.D. (Brown)
Adrienne Hurley; B.A. (Col.), M.A. (Mich.), Ph.D. (Calif.)

Faculty Lecturers
Jennie Chang, Myung Hee Kim, Miwako Uesaka, Bill Wang

Associate Members
Lara Braitstein (Religious Studies)
Christopher Green (Economics)
G. Victor Hori (Religious Studies)
Sandra Teresa Hyde (Anthropology)
Erik Kuhonta (Political Science)
John Karien (Economics)
Catherine La (Political Science)
Lorenz Lüthi (History)
Yuzo Ota (History)
Johanna Ransmeier (History)
Junko Shimoyama (Linguistics)
Sarah Turner (Geography)

15.11.5.5 Master of Arts (M.A.); East Asian Studies (Thesis) (Ad Hoc) (45 credits)
The Department only offers a thesis option. The M.A. program with thesis includes:

a) four 3-credit graduate courses (12 credits);
b) one graduate 3-credit seminar in theory/methodology (3 credits);
c) one graduate 6-credit seminar or two graduate 3-credit seminars (6 credits); and
d) thesis (24 credits).

Language Courses:
1. A maximum of 6 credits of language courses at the 500 level or in a classical Asian language may be counted toward course requirements.
2. Students must have fourth-level language equivalency by the completion of their M.A. program.

15.11.5.6 Doctor of Philosophy (Ph.D.); East Asian Studies (Ad Hoc)
The Graduate Studies Committee will assign an advisory committee to advise the student and specify the student's program of study.

Exceptional students with appropriate background at the undergraduate level may be admitted directly into the Ph.D. program.

Students must complete at least 24 course credits, with a grade point average of 3.5 or better; this coursework must be chosen to identify three distinct fields for the Comprehensive Evaluation. Students may take up to two 3-credit courses or one 6-credit course in another department with the approval of the Graduate Program Director.

There are four requirements for obtaining the doctoral degree:
1. Coursework – 24 credits at the 600 or 700 level with a grade point average of 3.5 or better. On the basis of this coursework, the student should identify three distinct fields for the Comprehensive Evaluation. Students may take up to 6 credits in another department with the approval of the Graduate Program Director.
2. Language – Candidates will be required to demonstrate reading knowledge of a second Asian language, which may include either modern or literary (classical) language, in addition to the primary Asian language of their research. Candidates will also be expected to demonstrate reading knowledge of both French and English.
3. Ph.D. Comprehensive Evaluation – The student is required to pass the Comprehensive Evaluation within one year after completing coursework. Exceptions have to be approved by the Graduate Program Director.
4. Doctoral Dissertation – A thesis proposal (15-25 pages) should be submitted within six months after successful completion of the Ph.D. Comprehensive Evaluation, after consultation with the Graduate Program Director and the thesis supervisor. Before submission of the dissertation, candidates are expected to spend time in Asia researching their project.

15.11.6 Economics

15.11.6.1 Location

Department of Economics
Stephen Leacock Building, Room 443
855 Sherbrooke Street West
Montreal, QC H3A 2T7
Canada

Telephone: 514-398-4800
Fax: 514-398-4938
Email: graduate.economics@mcgill.ca
Website: www.mcgill.ca/economics

15.11.6.2 About Economics

The Department of Economics offers M.A. and Ph.D. programs that attract students from all over the world. Faculty members conduct research in all areas of economics, with particularly strong representation in the field of econometrics, development, and natural resources. The Department counts among its members a holder of a Canada Research Chair, two James McGill professors, a William Dawson scholar, and an Officer of the Order of Canada (who is also a Bank of Canada Research Fellow), and two Fellows of the Royal Society of Canada.

Note: Changes may take place after this information has been published. Students are advised to contact the Department office for supplementary information, which may be important to their choice of program.

Lectures and examinations in the graduate program (M.A. and Ph.D.) in Economics are given in Macroeconomics, Microeconomics, and several fields: Econometrics; Economic Development; Economic History; Industrial Organization; Health Economics; International Economics; Labour Economics; Monetary Economics; Public Finance; Mathematical Economics; Advanced Theory.

section 15.11.6.5: Master of Arts (M.A.); Economics (Thesis) (48 credits)

The Master of Arts program in Economics (Thesis) serves students preparing for a Ph.D. in Economics. The Department offers courses in all areas of Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

section 15.11.6.6: Master of Arts (M.A.); Economics (Non-Thesis) (45 credits)

The Master of Arts program in Economics (Non-Thesis) serves students seeking to solidify and deepen their understanding of economics prior to a career in government or the private non-academic sector, and those preparing for a Ph.D. in Economics. The Department offers courses in all areas of Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

section 15.11.6.7: Master of Arts (M.A.); Economics (Non-Thesis) — Development Studies (45 credits)

For those students interested in the interdisciplinary study of development, anchored in economics, the Department offers the Development Studies Option (DSO). This program is offered as an option within existing M.A. and Ph.D. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. or Ph.D. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. or Ph.D. thesis must be on a topic relating to development studies, approved by the DSO Coordinating Committee.

section 15.11.6.8: Master of Arts (M.A.); Economics (Non-Thesis) — Social Statistics (45 credits)

For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option. Students will normally complete the usual program course requirements, supplemented by further statistical courses, as advised by the option adviser, and subject to approval by the home department. Students will complete a statistics-based M.A. research paper (Economics, Political Science, Sociology) or thesis (Geography) in conjunction with an interdisciplinary capstone seminar. Acceptance into the program is by application to the Social Statistics Option Committee and is contingent on acceptance into the M.A. program in one of the participating departments (Economics, Geography, Political Science, Sociology), which in turn requires meeting Graduate and Postdoctoral Studies admission requirements.
section 15.11.6: Doctor of Philosophy (Ph.D.); Economics

The Ph.D. program in Economics is designed to prepare students for research, whether in an academic or government setting, and teaching. The Department’s faculty members conduct research in all areas of economics. The low student-faculty ratio ensures students receive individual attention to their own research, and are able to act as research assistants to the faculty. The Department collaborates with the four other economics departments in Montreal to extend the Ph.D.-level course offerings and invite numerous external speakers.

15.11.6.3 Economics Admission Requirements and Application Procedures

15.11.6.3.1 Admission Requirements

An Honours B.A. in Economics is the normal requirement, although students holding an ordinary B.A., whether in economics or another discipline, may also be eligible for admission. Students judged by the admissions committee to have deficiencies in their preparation in economics may be admitted to a qualifying year in which they undertake advanced undergraduate work.

Students who have not previously passed a suitable course in statistics must take the undergraduate honours Statistics course, ECON 257D1/ECON 257D2. A course in the history of economic thought is also a prerequisite for a graduate degree in economics, and students who have not taken such a course will be required to take ECON 460 and ECON 461 or ECON 660 (the M.A. course in History of Economic Thought). Students are also expected to have completed or to complete three terms of introductory calculus and at least one term of linear algebra.

15.11.6.3.2 Application Procedures

Applications will be considered upon receipt of:

1. online application form;
2. two copies of official transcripts sent by the university;
3. two letters of reference;
4. application fee of $100;
5. original TOEFL and/or GRE results, if applicable.

Information and online application form can be accessed from the Economics Department website at www.mcgill.ca/economics.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

15.11.6.4 Economics Faculty

Chair
John W. Galbraith

Emeritus Professors

Antal Deutsch; B.Com.(Sir G. Wms.), Ph.D.(McG.)
Joseph Greenberg; B.A., M.A., Ph.D.(Hebrew)
Kari Polanyi-Levitt; B.Sc.(Lond.), M.A.(Tor.)

Professors

Robert D. Cairns; B.Sc.(Tor.), Ph.D.(MIT)
Russell Davidson; B.Sc., Ph.D.(Glas.), Ph.D.(Br. Col.) (Canada Research Chair)
Jean-Marie Dufour; B.Sc.(McG.), M.Sc., Ph.D.(Montr.), M.A.(C'dia), M.A., Ph.D.(Chic.)
John Galbraith; B.A.(Qu.), M.Phil., D.Phil.(Oxf.) (James McGill Professor)
Christopher Green; M.A.(Conn.), Ph.D.(Wisc.)
Jagdish Handa; B.Sc.(Lond.), Ph.D.(Johns Hop.)
Jennifer Hunt; I.B.(Int'l School of Geneva), S.B.(MIT), Ph.D.(Harv.)
Ngo van Long; B.Ec.(LaT.), Ph.D.(ANU) (James McGill Professor)
Robin Thomas Naylor; B.A.(Tor.), M.Sc.(Lond.), Ph.D.(Cant.)
Victoria Zinde-Walsh; M.A.(Wat.), M.Sc., Ph.D.(Moscow St.)
### Associate Professors

- Francisco Alvarez-Cuadrado; B.Sc.(U. Pontifica Comillas), M.A., Ph.D.(Wash.)
- Hassan Benchekroun; Diplôme d'ingénieur d'état(École Mohammedia des ingénieurs, Morocco), Ph.D.(Laval)
- Jim Engle-Warnick; B.S.(Akron), M.B.A.(Carn. Mell), Ph.D.(Pitt.) (William Dawson Scholar)
- Franque Grimard; B.A.(York), Ph.D.(Princ.)
- C. John Kurien; B.A.(Kerala), M.A., Ph.D.(Vanderbilt)
- Sonia Laszlo; B.A.(Ott.), M.A.(W. Ont.), Ph.D.(Tor.)
- Christopher T.S. Ragan; B.A.(Vic., BC), M.A.(Qu.), Ph.D.(MIT)
- Thomas Velk; M.S., Ph.D.(Wisc.)
- William Watson; B.A.(McG.), Ph.D.(Yale)
- Licun Xue; B.Eng., M.Eng.(Tianjin), M.A., Ph.D.(McG.)

### Assistant Professors

- Matthieu Chemin; M.Sc.(École Centrale Paris), M.Sc., Ph.D.(LSE)
- Markus Poschke; M.Sc.(Maastricht), M.A.(Institut d'Études Politiques, Paris), M.Res., Ph.D.(European University Institute, Italy)
- Maxim Sinitsyn; B.A.(Central Methodist College), M.S.(Ill.), M.A., Ph.D.(N’western)
- Erin Strumpf; B.A.(Smith), Ph.D.(Harv.)

### 15.11.6.5 Master of Arts (M.A.); Economics (Thesis) (48 credits)

#### Thesis Courses (30 credits)

- ECON 650 (3) Research 1
- ECON 651 (3) Research 2
- ECON 652 (3) Research 3
- ECON 653 (3) Research 4
- ECON 670 (6) Thesis 1
- ECON 671 (6) Thesis 2
- ECON 672 (6) Thesis 3

#### Required Courses (6 credits)

- ECON 610 (3) Microeconomic Theory 1
- ECON 620 (3) Macroeconomic Theory 1

#### Complementary Courses (12 credits)

Note: ECON 662D1/D2 or equivalent is strongly recommended but will not meet the 6-credit field requirement for the M.A.

- ECON 662D1 (3) Econometrics
- ECON 662D2 (3) Econometrics
- ECON 665 (3) Quantitative Methods

A minimum of 6 credits must be taken in the same field.

### 15.11.6.6 Master of Arts (M.A.); Economics (Non-Thesis) (45 credits)

#### Research Project (18 credits)

- ECON 650 (3) Research 1
Required Courses (9 credits)

- ECON 610 (3) Microeconomic Theory 1
- ECON 620 (3) Macroeconomic Theory 1
- ECON 654 (3) Research Methods in Economics

Complementary Courses (18 credits)

Must include either:
- ECON 662D1 (3) Econometrics
- ECON 662D2 (3) Econometrics
- ECON 665 (3) Quantitative Methods

Note: ECON 662D1/D2 or equivalent is strongly recommended but will not meet the 6-credit field requirement for the M.A.

Additional courses, at the 500, 600, or 700 level, as determined by the student's area of study.

15.11.6.7 Master of Arts (M.A.); Economics (Non-Thesis) — Development Studies (45 credits)

Research Project (18 credits)

- ECON 650 (3) Research 1
- ECON 651 (3) Research 2
- ECON 680 (3) M.A. Report 1
- ECON 681 (3) M.A. Report 2
- ECON 682 (3) M.A. Report 3
- ECON 683 (3) M.A. Report 4

Required Courses (15 credits)

- ECON 610 (3) Microeconomic Theory 1
- ECON 620 (3) Macroeconomic Theory 1
- ECON 634 (3) Economic Development 3
- ECON 734 (3) Economic Development 4
- INTTD 657 (3) Development Studies Seminar

Complementary Courses (12 credits)

3 or 6 credits from:
- ECON 662D1 (3) Econometrics
- ECON 662D2 (3) Econometrics
- ECON 665 (3) Quantitative Methods

6 or 9 credits of additional courses, at the 500, 600, or 700 level related to international development studies to be chosen in consultation with an adviser.
15.11.6.8 Master of Arts (M.A.); Economics (Non-Thesis) — Social Statistics (45 credits)

The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). Students will normally complete the regular program course requirements, supplemented by further statistical courses, as advised by the option adviser, and subject to approval by the home department.

Research Project (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tr>
<td>ECON 650</td>
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<td>Research 1</td>
</tr>
<tr>
<td>ECON 651</td>
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<td>Research 2</td>
</tr>
<tr>
<td>ECON 680</td>
<td>3</td>
<td>M.A. Report 1</td>
</tr>
<tr>
<td>ECON 681</td>
<td>3</td>
<td>M.A. Report 2</td>
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<td>ECON 682</td>
<td>3</td>
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</tr>
<tr>
<td>ECON 683</td>
<td>3</td>
<td>M.A. Report 4</td>
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</table>

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 610</td>
<td>3</td>
<td>Microeconomic Theory 1</td>
</tr>
<tr>
<td>ECON 620</td>
<td>3</td>
<td>Macroeconomic Theory 1</td>
</tr>
<tr>
<td>ECON 654</td>
<td>3</td>
<td>Research Methods in Economics</td>
</tr>
<tr>
<td>ECON 688</td>
<td>3</td>
<td>Seminar on Social Statistics</td>
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</table>

Complementary Courses (15 credits)

Must include either:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 662D1</td>
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<td>Econometrics</td>
</tr>
<tr>
<td>ECON 662D2</td>
<td>3</td>
<td>Econometrics</td>
</tr>
<tr>
<td>ECON 665</td>
<td>3</td>
<td>Quantitative Methods</td>
</tr>
</tbody>
</table>

Additional courses at the 500, 600, or 700 level, as determined by the student's area of study.

15.11.6.9 Doctor of Philosophy (Ph.D.); Economics

Thesis

Required Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 799</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
</tbody>
</table>

Required Coursework (20 credits)

20 credits in Economics beyond the M.A. requirements as described below:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 662D1</td>
<td>3</td>
<td>Econometrics</td>
</tr>
<tr>
<td>ECON 662D2</td>
<td>3</td>
<td>Econometrics</td>
</tr>
<tr>
<td>ECON 771</td>
<td>1</td>
<td>PhD Research Seminar 2</td>
</tr>
</tbody>
</table>

At least 6 of the remaining 12 credits must be in a single field from the choices below:

Advanced Theory
Econometrics
Economic Development
Economic History
Industrial Organization
International Economics
Health Economics
Labour Economics
Monetary Economics
Public Finance

Other field combinations may be considered by the Graduate Program Director as requested.

15.11.7  English

15.11.7.1  Location

Department of English
Arts Building
853 Sherbrooke Street West
Montreal, QC H3A 2T6
Canada

Telephone: 514-398-6564
Fax: 514-398-8146
Email: gradstudies.englishlit@mcgill.ca
Website: www.mcgill.ca/english

15.11.7.2  About English

The English Department has three broad areas of expertise: literature, drama and theatre, and cultural studies. The Department houses the Burney Centre, the Shakespeare Team, the Interacting with Print research group, McGill Medievalists, and members of the bilingual Novelists on the Novel research group. Research is conducted on all areas of English literature, including diverse national literatures and genres. Cultural studies involves cinema, visual culture, and aesthetics.

The English department offers both M.A. and Ph.D. degrees.

The M.A. program admits 22-25 students each year from around the world. Unlike many other M.A. programs in English, the McGill M.A. requires a major piece of research, whether a thesis or a research paper, which is carried out under the supervision of a faculty member. Approximately half of McGill M.A. graduates go onto a Ph.D. program, either at McGill or elsewhere. Other graduates have found employment with foundations, university development offices, publishing houses, consulting firms, and CEGEPs.

The Ph.D. program admits approximately six students each year from around the world. For their theses, doctoral students specialize in any area of English studies.

All students who apply will be considered for support, which normally takes the form of a Teaching or Research Assistantship.

Students with a B.A. in English, either Honours or major, can apply for the M.A. Typically applicants will have solid coverage in all areas of English studies, whether in theatre, cultural studies, or literature. The Department offers two options toward the M.A. degree, one with a thesis and the other without thesis. Both options consist of 48 credits and are designed to be completed in four terms (of 12 credits each). It is rare for any student pursuing the thesis option to complete the degree in less than two years.

section 15.11.7.5: Master of Arts (M.A.); English (Thesis) (48 credits)

In the thesis option, students must successfully take Bibliography (ENGL 694) and five seminars. They write a thesis of 80-100 pages that adheres to the guidelines spelled out under the thesis regulations of Graduate and Postdoctoral Studies. Students submit a proposal for the thesis to the Graduate Administration Committee in the Department; the proposal must be approved before students begin to work on the thesis.

section 15.11.7.6: Master of Arts (M.A.); English (Non-Thesis) (48 credits)

In the non-thesis option, students must successfully take Bibliography (ENGL 694) and seven seminars. They write a research paper of 40 pages. Students submit a proposal for the research paper to the Graduate Administration Committee in the Department; the proposal must be approved before students begin to write the research paper. The finished paper is evaluated by the supervisor and a second member of the Department. The non-thesis M.A. is designed to be completed in two years, although it is very common for students to finish the program in one calendar year (Fall, Winter, Summer terms) or sixteen months (Fall, Winter, Summer, Fall terms).

section 15.11.7.7: Doctor of Philosophy (Ph.D.); English

Students with an M.A. in English or a closely related discipline may apply to the Ph.D. program. Doctoral students are expected to complete in their first year (Ph.D. 2) the two halves of the compulsory proseminar ENGL 787 (taken in the Fall term) and ENGL 788 (taken in the Winter term), along with four seminars. The proseminars expose students to current academic issues, theoretical propositions, and professional questions. Students may substitute for
Doctor of Philosophy (Ph.D.); English

the two second-term courses one extended supervised optional research project. Courses must be chosen in order to make possible the identification of a major and a minor area of concentration. In Ph.D. 3, candidates complete a compulsory research project in the area of the dissertation and submit the dissertation proposal. This project, a unique feature of the McGill Ph.D., replaces comprehensive exams and allows students to work on a publishable piece of research. The language requirement must be fulfilled before the dissertation proposal is approved. The Department urges candidates to complete the Ph.D. program within six years. A candidate intending to submit the thesis to meet the deadline for Spring Convocation must give notice of this intention before January 1. A candidate intending to meet the deadline for Fall Convocation must give such notice before May 1. The majority of students who complete the Ph.D. proceed to postdoctoral fellowships and teaching positions, either at CEGEP or university.

15.11.7.3 English Admission Requirements and Application Procedures

15.11.7.3.1 Admission Requirements

A statement of proposed research, transcripts, writing sample, and two letters of recommendation are required of all applicants.

M.A. Degree

Admission to the M.A. program requires an honours degree in English or its equivalent. Outstanding applicants from related disciplines may be invited to take a qualifying year.

Ph.D. Degree

Admission to the doctoral program is highly competitive. Outstanding students with the master's degree in hand are accepted into Ph.D. 2. In rare circumstances, outstanding graduates of B.A. programs will be considered for "fast-tracking" into the doctoral program, entering at Ph.D. 1. They follow the M.A. program (Thesis option) and if at the end of the first year their work is evaluated successfully, they go on to complete the remaining requirements of the Ph.D. program.

15.11.7.3.2 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. transcripts (two copies);
3. two letters of reference;
4. $100 application fee;
5. a writing sample;
6. statement of proposed research.

All information is to be submitted directly to the Graduate Coordinator.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

15.11.7.4 English Faculty

Chair

Allan Hepburn

Emeritus Professors

M.D. Bristol; A.B.(Yale), Ph.D.(Princ.)
M. Puhvel; B.A., M.A.(McG.), Ph.D.(Harv.)
J. Ripley; B.A., M.A.(New Br.), Ph.D.(Birm.)
D. Suvin; B.A., M.Sc., Ph.D.(Zagreb), F.R.S.C.
W.C. Wees; B.A.(N' western), M.A.(Roch.), Ph.D.(N' western)
D. Williams; B.A.(Boston), M.A., Ph.D.(Tor.)

Professors

K. Borris; B.A.(Vic., BC), Ph.D.(Edin.)
M.N. Cooke; B.A.(Qu.), M.A.(C'nell), M.A., Ph.D.(Tor.)
A. Hepburn; B.A., M.A.(W. Ont.), Ph.D.(Princ.)
Professors

M.A. Kilgour; B.A.(Tor.), Ph.D.(Yale) (*Molson Professor of English*)
M. Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)
R. Lecker; B.A., M.A., Ph.D.(York) (*Greenshields Professor of English*)
P. Sabor; B.A.(Camb.), M.A.(Qu.), Ph.D.(Lond.) (*Canada Research Chair in 18th Century Studies*)
M. Stenbaek; B.A.(Copen.), M.A., Ph.D.(Montr.)
B. Trehearne; B.A., M.A., Ph.D.(McG.)
P. Yachnin; B.A.(McG.), M.Litt.(Edin.), Ph.D.(Tor.) (*Tomlinson Chair in Shakespeare Studies*)

Associate Professors

D.A. Bray; B.A.(McG.), Ph.D.(Edin.)
S. Carney; B.A.(Manit.) M.A.(Alta.), Ph.D.(York)
W. Folkerth; B.A.(Calif. St.), M.A., Ph.D.(McG.)
J. Fumo; B.A.(Mass.-Amh.), M.A., Ph.D.(Princ.)
P. Gibian; B.A.(Yale), M.A.(NYU), Ph.D.(Stan.)
Y. Halevi-Wise; B.A.(Hebrew), M.A.(G’town), Ph.D.(Princ.)
D.C. Hensley; B.A., M.A.(Cant.), Ph.D.(Yale)
M. Hickman; B.A.(Brown), M.A., Ph.D.(Mich.)
E. Hurley; B.A.(McG.), M.A.(Brown), Ph.D.(CUNY)
B. Kaite; B.A.(C’dia), M.A.(McM.), Ph.D.(Car.)
T. Mole; B.A., M.A., Ph.D.(Bristol) (*William Dawson Scholar*)
M. Morgan; B.A.(Harv.), Ph.D.(Stan.)
P. Neilson; B.A.(Bishop’s), M.F.A.(Calg.)
D. Nystrom; B.A.(Wisc.), M.A., Ph.D.(Virg.)
T. Ponech; B.A.(McG.), Ph.D.(N’western)
D. Salter; B.A.(Br. Col.), M.A., Ph.D.(Tor.)
N. Schantz; B.A.(Stan.), M.A., Ph.D.(USC)
M.W. Selkirk; B.A.(Alta), M.F.A.(Ill.)
T. Sparks; B.A.(Bates College), M.A., Ph.D.(Wash.)

Assistant Professors

T. Heise; B.A.(Flor. St.), M.A.(Calif., Davis), Ph.D.(NYU)
A. Osterweil; B.A., M.A.(NYU), Ph.D.(Calif., Berk.)
M. Popescu; B.A., M.A.(Bucharest), M.A.(Windsor), Ph.D.(Penn.)
F. Ritchie; B.A., M.A.(Durh.), Ph.D.(Lond.)
A. Thain; B.A.(McG.), Ph.D.(Duke)
M. Van Dussen; B.A.(Ohio Wesl.), M.A., Ph.D.(Ohio St.)

15.11.7.5 Master of Arts (M.A.); English (Thesis) (48 credits)

Thesis Courses (27 credits)

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<tr>
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<td>ENGL 695</td>
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<tr>
<td>ENGL 699</td>
<td>(24)</td>
<td>M.A. Thesis</td>
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242 2011-2012, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, McGill University
(Published September 13, 2011)
## Required Courses (6 credits)

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<tr>
<td>ENGL 694</td>
<td>(6)</td>
<td>Bibliography Seminar</td>
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</table>

## Complementary Courses (15 credits)

15 credits of Departmental seminar courses at the 500, 600, or 700 level.

15.11.7.6 **Master of Arts (M.A.); English (Non-Thesis) (48 credits)**

### Research Project (18 credits)

<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>ENGL 682</td>
<td>(3)</td>
<td>M.A. Research Paper Preparation 2</td>
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<tr>
<td>ENGL 683</td>
<td>(3)</td>
<td>M.A. Research Paper Preparation 3</td>
</tr>
<tr>
<td>ENGL 684</td>
<td>(9)</td>
<td>M.A. Research Paper</td>
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### Required Courses (9 credits)

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</tr>
<tr>
<td>ENGL 694</td>
<td>(6)</td>
<td>Bibliography Seminar</td>
</tr>
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</table>

### Complementary Courses (21 credits)

21 credits of Departmental seminar courses at the 500, 600, or 700 level.

15.11.7.7 **Doctor of Philosophy (Ph.D.); English**

### Thesis

#### Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 787</td>
<td>(3)</td>
<td>Research Seminar 1</td>
</tr>
<tr>
<td>ENGL 788</td>
<td>(3)</td>
<td>Research Seminar 2</td>
</tr>
<tr>
<td>ENGL 797</td>
<td>(6)</td>
<td>Compulsory Research Project</td>
</tr>
<tr>
<td>ENGL 798</td>
<td>(3)</td>
<td>Dissertation Proposal</td>
</tr>
</tbody>
</table>

#### Complementary Courses (12 credits)

- Four Departmental seminars
- OR
  - two Departmental seminars and
  - ENGL 796 (6) Research Project

15.11.8 **French Language and Literature**

15.11.8.1 **Coordonnées**

- Département de langue et littérature françaises
- Pavillon des Arts
- 853, rue Sherbrooke ouest
- Montréal, Québec H3A 2T6
15.11.8.2 Generalités : Langue et littérature françaises

Le DLLF offre un environnement particulièrement convivial et stimulant pour des étudiants qui souhaitent faire une maîtrise ou un doctorat dans le vaste domaine des littératures de langue française, des théories littéraires ou de la traduction littéraire. Le DLLF offre aussi un M.A. avec option en écriture littéraire (« création littéraire » et « traduction littéraire »). Le DLLF accorde un financement garanti aux meilleurs de ses étudiants, ainsi que des bourses et des assistantes de recherche (et des charges d’enseignement pour les étudiants de Ph.D.). Nous sommes l’un des seuls Départements de littérature en Amérique à avoir signé une entente officielle avec l’École Normale Supérieure de Paris grâce à laquelle nous offrons un stage d’un an à certains étudiants de Ph.D. M.A. avec mémoire et sans mémoire, et Ph. D.

Maîtrise

Le programme de maîtrise est à la fois un programme complet en soi et une première étape vers le Ph. D. Il vise deux buts également importants :

1. Permettre à l’étudiant de compléter et d’approfondir ses connaissances dans le domaine littéraire grâce à un programme d’enseignement portant sur les littératures française et québécoise de même que sur une variété de sujets connexes : théorie littéraire, histoire de la langue, civilisation, etc.
2. Favoriser l’apprentissage de la recherche et un début de spécialisation de la part de l’étudiant qui suit des séminaires d’initiation à la recherche littéraire et, soit rédige un mémoire, soit exécute d’autres travaux de recherche sous la direction des professeurs du Département.

La durée des études de maîtrise est normalement de deux ans. Dans le cas de la maîtrise avec mémoire, elle comprend deux trimestres pour la scolarité (M.A. I), suivis de la rédaction du mémoire. Dans le cas de la maîtrise sans mémoire, la scolarité s’étend sur trois trimestres, suivis de la rédaction de trois travaux rédigés dans le cadre du FREN 698.

Le choix des séminaires que fait l’étudiant doit être approuvé par le Directeur des études au moment de l’inscription. La Commission des admissions du Département peut accorder des dérogations au règlement des inscriptions à la Maîtrise en fonction du dossier de chaque étudiant.

Une partie de la scolarité (maximum de 6 crédits) peut être suivie dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l’année des Études supérieures et postdoctorales, ou dans une autre université, pourvu que les cours et séminaires y soient de même niveau que les cours 600 ou 700 offerts par le Département. Dans tous les cas, l’étudiant doit obtenir l’autorisation du Directeur des études de 2e et 3e cycles et de la recherche, qui ne sera accordée que si les cours en question cadrent avec le programme d'études du candidat.

La note de passage est B- (65 %).

Ph. D.

Épreuve d’anglais

Tous les étudiants de Ph. D. doivent réussir, avant le dépôt de leur thèse, une épreuve destinée à vérifier leur connaissance de la langue anglaise (FREN 790). Peuvent être dispensés de cette épreuve les traducteurs professionnels et les étudiants qui ont fait des études antérieures dans des collèges ou des universités anglophones, à condition que leur programme ait comporté des cours donnés en anglais. Le fait d’avoir suivi un ou plusieurs cours de traduction ne suffit pas.

Aucune dispense n’est automatique. Les demandes de dispense doivent être soumises par écrit au Comité des études de 2e et 3e cycles et de la recherche.

Programme

Le programme de Ph. D. comporte trois parties :

- Scolarité
- Élaboration du sujet de thèse et Examen préliminaire
- Thèse

Scolarité

L’admission se fait normalement au niveau de Ph. D. II. Lorsqu’un candidat, par exception, est admis en Ph. D. I, sa scolarité pendant cette année est la même que pour l’année de M.A. I (voir ci-dessus).

Ph. D. II

Trois séminaires au choix, ainsi que les Séminaires de doctorat 1 et 2 (FREN 710 et FREN 711) qui sont obligatoires.

Ph. D. III

Élaboration du sujet de thèse (FREN 706, 0 crédit) et Examen préliminaire (FREN 707, 0 crédit).

Après l’élaboration du projet de thèse, celui-ci est soumis au Comité des études de 2e et 3e cycles et de la recherche; puis l’Examen préliminaire, qui consiste en la rédaction et la défense orale d’un document d’une cinquantaine de pages, a lieu à une date convenue entre les intéressés, devant un jury constitué de trois professeurs.

Ph. D. IV Thèse

Au moment de l’Examen préliminaire, un comité-conseil est constitué, comprenant le directeur de thèse et deux autres professeurs. Le rôle de ce comité-conseil est de suivre d’abord près que possible le travail du candidat et de discuter avec lui de l’orientation de ses recherches.
La soutenance de la thèse a lieu devant un jury d'au moins six personnes, présidé par un représentant du Doyen; font partie du jury le comité-conseil de l'étudiant et deux autres professeurs, dont le Directeur du Département et au moins un universitaire extérieur au Département ou à l'Université McGill.

**section 15.11.8.5: Master of Arts (M.A.); Langue et littérature françaises (avec mémoire) (48 crédits)**

Les étudiants inscrits dans nos programmes de maîtrise sont détenteurs d’un baccalauréat avec spécialisation dans la discipline (ou l’équivalent). La maîtrise avec mémoire comprend deux trimestres de séminaires, à l’issue desquels les étudiants déposent un projet de mémoire dans le domaine de leur choix, puis consacrent leur deuxième année de programme à la rédaction du mémoire.

Les deux premières sessions du programme de maîtrise sont consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent alors suivre 6 séminaires de 3 crédits (dont le FREN 697) et préparer leur sujet de mémoire (FREN 696 : 6 crédits). Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

L'étudiant peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire.

**section 15.11.8.6: Master of Arts (M.A.); Langue et littérature françaises (avec mémoire) — études sur les femmes et le genre (48 crédits)**

L’option en études sur les femmes et le genre (« Graduate Option in Gender and Women's Studies ») est un programme pluridisciplinaire offert aux étudiants qui remplissent en même temps toutes les exigences du programme de maîtrise avec mémoire de la Département de langues et littérature françaises. En plus des deux cours obligatoires suivis au Département, les étudiants doivent suivre un cours de 3 crédits réservé aux étudiants de cette option. Parmi les cours au choix, les étudiants doivent suivre deux cours de 3 crédits chacun qui ont été approuvés par l’option et qui portent sur des questions reliées au genre et aux recherches et méthodologies féministes. Leur mémoire doit porter sur un sujet explicitement lié au genre ou aux études sur les femmes.

Les deux premières sessions du programme de maîtrise sont consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent alors suivre 6 séminaires de 3 crédits (dont le FREN 697) et préparer leur sujet de mémoire (FREN 696 : 6 crédits). Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

L'étudiant peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire.

**section 15.11.8.7: Master of Arts (M.A.); Langue et littérature françaises (sans mémoire) (48 crédits)**

La maîtrise sans mémoire comprend trois trimestres de séminaires après quoi les étudiants préparent trois travaux de recherche (30 pages chacun) sous la direction de trois professeurs. Parmi les débouchés qui s’offrent aux diplômés, on compte l’enseignement (au niveau collégial) de même que divers métiers liés à la littérature et à la communication écrite (notamment dans le milieu éditorial).

Les trois premières sessions du programme sont consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent suivre 8 séminaires de trois crédits, soit 4 par session. Les cours FREN 697 et FREN 600 sont obligatoires. Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

**section 15.11.8.8: Doctor of Philosophy (Ph.D.); Langue et littérature françaises**

Les étudiants inscrits dans notre programme de doctorat sont titulaires d’une maîtrise dans la discipline (ou l’équivalent). Après une scolarité de deux trimestres, ils déposent au cours de la deuxième année leur projet de thèse et disposent d’un an pour préparer un examen préliminaire à la rédaction de leur thèse. L’ensemble du processus prend normalement entre quatre et cinq ans. Un grand nombre de nos diplômés se destinent à une carrière universitaire.

**section 15.11.8.9: Doctor of Philosophy (Ph.D.); Langue et littérature françaises — études sur les femmes et le genre**

Pour obtenir de plus amples renseignements, veuillez communiquer avec le département.

**15.11.8.3 French Language and Literature Admission Requirements and Application Procedures**

**15.11.8.3.1 Conditions d’admission**

**Propédeutique**

Peuvent être admis en Propédeutique les étudiants titulaires d’un B.A. avec concentration en littérature française, québécoise ou francophone (« Major »), qui sont alors tenus de s'inscrire à temps complet à un programme de 8 cours de premier cycle, établi lors de leur inscription.

**M.A.**

Pour être admis directement en M.A. I, le candidat doit être titulaire d'un B.A. avec spécialisation en littérature française, québécoise ou francophone, ou en traduction (« Honours »), ou d'un B.A. avec double spécialisation (« Joint Honours »). Le candidat doit également présenter un très bon dossier académique, soit une moyenne d'au moins 75 %; le B.A. ne donne pas automatiquement droit à l'admission.

**Ph. D.**

Pour être admis au programme de Ph. D. le candidat doit satisfaire aux conditions suivantes :

1. Être titulaire d'un M.A. en littérature française, québécoise ou francophone, ou l'équivalent; avoir obtenu au cours de sa scolarité de maîtrise une moyenne d'au moins 75 %.
2. Présenter un projet d'étude, en français, indiquant avec une certaine précision le domaine et la méthodologie de la recherche qu'il envisage de poursuivre pour sa thèse de doctorat et le nom du professeur sous la direction duquel il souhaite travailler. La Commission des admissions sera mieux à même de juger, d'après ce projet, du sérieux du candidat et de ses aptitudes à la recherche littéraire avancée.
15.11.8.32 Demande d'admission

En plus de deux lettres de recommandation et des relevés de notes officiels, les étudiants de l'extérieur du Département doivent fournir un échantillon de travail écrit, en français.

Le formulaire de demande d'admission par le web est disponible pour tous les candidats aux études supérieures à l'adresse suivante:  

Dernières dates de réception garantissant l'examen des demandes

Pour vérifier les dernières dates de réception garantissant l'examen des demandes, veuillez consulter le site web suivant :  

Nous n'examinerons aucune demande d'admission visant le trimestre d'été.

15.11.8.4 French Language and Literature Faculty

**Directeur**

Professeur Michel Biron

**Directeur des études de 2e et 3e cycles et de la recherche**

Professeur Isabelle Daunais

**Professeurs émérites**

J.-P. Boucher; M.A.(McG.), Dr. 3e Cy.(Besançon)
G. Di Stefano; Dr. ès L.(Turin), Dipl. Phil., Dr. 3e Cy.(Paris - Sorbonne)
J.-P. Duquette; L. ès L.(Montr.), Dr. 3e Cy.(Paris X - Nanterre)
Y. Lamonde; M.A.(Montr.), Dr. 3e Cy.(Paris X - Nanterre)
F. Ricard; M.A.(McG.), Dr. 3e Cy.(Aix-Marseille), M.S.R.C. (James McGill Professor)
Y. Rivard; M.A.(McG.), Dr. 3e Cy.(Aix-Marseille)

**Professeurs**

M. Angenot; L. Phil. Romane, Dr. Phil. & Lettres(Bruxelles), M.S.R.C. (James McGill Professor)
M. Biron; M.A.(Montr.), Dr. Phil. & Lettres(Liège) (Chair de recherche du Canada en littérature québécoise et littératures francophones)
I. Daunais; M.A., Ph.D.(McG.)
D. Desrosiers-Bonin; M.A., Ph.D.(Montr.) (James McGill Professor)

**Professeurs agrégés**

A. Bernadet; M.A., D.E.A., Dr. 3e Cy.(Paris VIII)
C. Bouchard; M.A.(Montr.), Dr. 3e Cy.(Paris VII - Jussieu)
A. Chapdelaine; M.A., Dr. 3e Cy.(Paris VII - Jussieu)
F. Charbonneau; M.A., Ph.D.(Montr.) (William Dawson Scholar)
N. Doiron; M.A., Ph.D.(Montr.)
J. Everett; M.A.(Car.), Ph.D.(McG.)
G. Lane-Mercier; M.A.(Montpellier), Ph.D.(McG.)

**Professeurs adjoints**

I. Arseneau; M.A.(W. Ont.), Ph.D.(Montr.)
P. Brisette; M.A.(Montr.), Ph.D.(McG.)
A. Farah; M.A., Ph.D.(UQAM)
C. Leclerc; M.A.(UQAM), Ph.D.(C'dia)
15.11.8.5 Master of Arts (M.A.); Langue et littérature françaises (avec mémoire) (48 crédits)

Mémoire (24 crédits)
FREN 699 (24) M.A. Thesis

Cours obligatoires (9 crédits)
FREN 696 (6) Élaboration projet de mémoire
FREN 697 (3) Méthodologie et théorie littéraires

Cours complémentaires (15 crédits)
5 séminaires; un maximum de 6 crédits peuvent être suivis dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université.

Les séminaires suivants sont fortement recommandés aux étudiants qui ont l'intention de présenter un mémoire d'écriture littéraire.
FREN 609 (3) Atelier de création littéraire
FREN 611 (3) L'expérience littéraire

15.11.8.6 Master of Arts (M.A.); Langue et littérature françaises (avec mémoire) — études sur les femmes et le genre (48 credits)

Mémoire (24 credits)
FREN 699 (24) M.A. Thesis

Cours obligatoires (12 credits)
FREN 696 (6) Élaboration projet de mémoire
FREN 697 (3) Méthodologie et théorie littéraires
WMST 601 (3) Feminist Theories and Methods

Cours complémentaires (12 credits)
500 niveau ou plus
Six crédits de séminaires au choix parmi les séminaires du Département ou à l'extérieur du Département qui ont été approuvés par l'option.
Six crédits de séminaires au choix, dont un peut être suivi à l'extérieur du Département.

15.11.8.7 Master of Arts (M.A.); Langue et littérature françaises (sans mémoire) (48 crédits)

Projet de recherche (18 crédits)
Les étudiants complètent le programme de maîtrise en rédigeant trois travaux de recherche.
FREN 698 (18) Master's Seminar

Cours obligatoires (6 crédits)
FREN 600 (3) Travaux dirigés 1
FREN 697 (3) Méthodologie et théorie littéraires

Cours complémentaires (24 crédits)
24 crédits, 8 cours; un maximum de 6 crédits peuvent être suivis dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université.
15.11.8.8 Doctor of Philosophy (Ph.D.); Langue et littérature françaises

Thèse

Épreuve d'anglais

Tous les étudiants de Ph.D. doivent réussir, avant le dépôt de leur thèse, une épreuve destinée à vérifier leur connaissance de la langue anglaise (FREN 790). Peuvent être dispensés de cette épreuve les traducteurs professionnels et les étudiants qui ont fait des études antérieures dans des collèges ou des universités anglophones, à condition que leur programme ait comporté des cours donnés en anglais. Le fait d'avoir suivi un ou plusieurs cours de traduction ne suffit pas.

Aucune dispense n’est automatique. Les demandes de dispense doivent être soumises par écrit au Comité des études de 2e et 3e cycles et de la recherche.

Ph.D. II

Cours obligatoires (3 credits)

Trois séminaires au choix, ainsi que les Séminaires de doctorat suivants qui sont obligatoires:

FREN 710 (1.5) Séminaire de doctorat 1
FREN 711 (1.5) Séminaire de doctorat 2
FREN 790 (0) Language Requirement

Ph.D. III

Cours obligatoires

FREN 706 (0) Élaboration du sujet de thèse
FREN 707 (0) Examen préliminaire

Les étudiants de doctorat peuvent obtenir un maximum de 3 crédits en suivant des cours hors du Département, que ce soit à McGill (cours décrits dans l’annuaire des Études supérieures et postdoctorales (‘University Calendar of Graduate and Postgraduate Studies’) ou dans une autre université. L’étudiant qui choisit cette option doit obtenir l’autorisation du Directeur des études de 2e et 3e cycles et de la recherche, autorisation qui ne sera accordée que si les cours en question cadrent avec son programme d’études et sont du niveau approprié.

15.11.8.9 Doctor of Philosophy (Ph.D.); Langue et littérature françaises — études sur les femmes et le genre

L'Option en études sur les femmes et le genre (« Graduate Option in Gender and Women's Studies ») est un programme pluridisciplinaire offert aux étudiants qui remplissent en même temps toutes les exigences du programme de doctorat du Département de langue et littérature françaises. En plus des cours obligatoires suivis au Département, les étudiants doivent suivre trois cours de 3 crédits chacun qui ont été approuvés par l'Option et qui portent sur des questions reliées au genre et aux recherches et méthodologies féministes. Leur thèse doit porter sur un sujet explicitement lié au genre ou aux études sur les femmes.

Thèse

Épreuve d'anglais

Tous les étudiants de Ph.D. doivent réussir, avant le dépôt de leur thèse, une épreuve destinée à vérifier leur connaissance de la langue anglaise (FREN 790). Peuvent être dispensés de cette épreuve les traducteurs professionnels et les étudiants qui ont fait des études antérieures dans des collèges ou des universités anglophones, à condition que leur programme ait comporté des cours donnés en anglais. Le fait d'avoir suivi un ou plusieurs cours de traduction ne suffit pas. Aucune dispense n’est automatique. Les demandes de dispense doivent être soumises par écrit au Comité des études de 2e et 3e cycles et de la recherche.

Cours obligatoires (9 crédits)

FREN 710 (1.5) Séminaire de doctorat 1
FREN 711 (1.5) Séminaire de doctorat 2
FREN 790 (0) Language Requirement
WMST 601 (3) Feminist Theories and Methods
WMST 602 (3) Feminist Research Symposium

Cours complémentaires (3 crédits)
Un séminaire (3 crédits) au choix de niveau 500 ou plus parmi les séminaires du Département qui ont été approuvés par l'option et qui portent sur les femmes et le genre. Ce cours ne peut pas être suivi à l'extérieur du Département.

15.11.9  Geography

15.11.9.1 Location

Department of Geography
Burnside Hall
805 Sherbrooke Street West, Room 705
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-4111
Fax: 514-398-7437
Email: grad.geog@mcgill.ca
Website: www.geog.mcgill.ca

15.11.9.2 About Geography

The Department of Geography offers a research and thesis-based graduate program leading to a Master of Arts (M.A.), Master of Science (M.Sc.), and a doctorate (Ph.D.). In its scope, our program includes the opportunity to conduct field-based studies in both the natural (i.e., biophysical) and the social sciences. Thematic areas of study include Political, Urban, Economic and Health Geography, Environment and Human Development, Geographic Information Systems and Remote Sensing, Land Surface Processes, Earth Systems Science, and Environmental Management. Geography houses the Hitzesfeld Geographic Information Centre, maintains the McGill High Arctic Research Station (Axel Heiberg Island, Nunavut Territory) and the McGill Sub-Arctic Research Station (Schefferville, Québec), and has strong ties with McGill’s School of the Environment and the Centre for Climate and Global Change Research. Faculty and students conduct research in fields as diverse as climate change impacts, periglacial geomorphology, and forest resource history in regions ranging from the Arctic to Southeast Asia and Latin America.

McGill Northern Research Stations

The McGill Sub-Arctic Research Station is located at Schefferville, in the centre of Quebec-Labrador. Facilities exist for research in most areas of physical and some areas of human geography in the subarctic.

McGill University also operates a field station at Expedition Fiord on Axel Heiberg in the High Arctic. Facilities are limited to a small lab and dorm building and cookhouse. Research activities focus on the glacial and geological. For additional information on these stations, contact the Scientific Director, Wayne Pollard, Department of Geography.

Centre for Climate and Global Change Research

The Department of Geography, with the McGill Departments of Atmospheric and Oceanic Sciences, Economics, Natural Resource Sciences, and several departments from the Université du Québec à Montréal and Université de Montréal developed a collaborative research centre that examines climate and global change. Through this centre there are graduate opportunities.

For more information contact Professor Nigel Roulet, Director, Centre for Climate and Global Change, McGill University.

Being both a natural and a social science, geography provides a unique opportunity to obtain a broad exposure to modes of analyzing the many environmental and situational problems of contemporary society. Because of this, a geography degree is a fantastic opportunity to get a career in a diverse range of fields. Our students have gone on to become United Nations field researchers in Laos, environmental consultants in Toronto, science teachers in the U.S., geography field researchers in the High Arctic. Facilities are limited to a small lab and dorm building and cookhouse. Research activities focus on the glacial and geological. For additional information on these stations, contact the Scientific Director, Wayne Pollard, Department of Geography.

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Master’s degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member culminating in a thesis. The core program consists of the thesis component (30 credits) and required (3) and complementary (12) graduate (500- or 600-level) courses.

Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow. Students must pass the courses specified for their program, attend such additional courses as the Chair and the student's thesis supervisor think fit, and submit a thesis in an appropriate area of geographical inquiry approved by the adviser.

Master of Arts (M.A.) Programs in Geography

Faculty of Arts > Academic Programs > Geography > section 15.11.9.5: Master of Arts (M.A.); Geography (Thesis) (45 credits)

Master’s degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member culminating in a thesis. The core program consists of the thesis component (30 credits) and required (3) and complementary (12) graduate (500- or 600-level) courses. Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow.
The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9), and complementary Geography and Environment (12) courses. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's or Ph.D. students offered in association with several University departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama). The option includes thesis (30 credits), required courses in Geography, Environment, and Biology (9), and complementary courses (6) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

This is an interdisciplinary program for Geography students wishing to focus on gender and women’s studies and issues in feminist research and methods. Included within it are a thesis (30 credits) topically on gender and women’s studies, required (6), and complementary (9) courses from Geography and Women’s Studies.

The Social Statistics Option focuses on applications of quantitative methods in social science and is composed of the thesis (30 credits), required Geography (6) courses and complementary Geography, Sociology, Economics, and Political Science (9) courses. The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). Students will normally complete normal program course requirements, supplemented by further statistical courses, as advised by the option adviser, and subject to approval by the home department. Students will complete a statistics-based M.A. research paper (Economics, Political Science, Sociology) or thesis (Geography) in conjunction with an interdisciplinary capstone seminar. Acceptance into the program is by application to the Social Statistics Option Committee and is contingent on acceptance into the M.A. program in one of the participating departments (Economics, Geography, Political Science, Sociology), which in turn requires meeting Graduate and Postdoctoral Studies admission requirements.

Master’s degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member culminating in a thesis. The core program consists of the thesis component (30 credits) and required (3) and complementary (12) graduate (500- or 600-level) courses. Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow.
Faculty of Science > Academic Programs > Geography

section 27.11.6.7: Master of Science (M.Sc.); Geography (Thesis) — Neotropical Environment (45 credits)

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's students offered in association with several university departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama). The option includes thesis (30 credits), required courses in Geography, Environment, and Biology (9) and complementary courses (6) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

Ph.D. Programs in Geography

section 15.11.9.11: Doctor of Philosophy (Ph.D.); Geography

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research and coursework chosen in collaboration with the student's supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course (3), and a minimum of two complementary (6) courses. The Ph.D. in Geography also includes several options.

section 15.11.9.12: Doctor of Philosophy (Ph.D.); Geography — Environment

The Environment Option consists of the thesis and comprehensive examination, required (9) courses from Geography and Environment, and complementary (9) courses in Environment or other fields recommended by the research committee and approved by the Environment Option Committee. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

section 15.11.9.13: Doctor of Philosophy (Ph.D.); Geography — Gender and Women's Studies

This doctoral option is an interdisciplinary program for students who meet the degree requirements in Geography and who wish to earn 9 credits of approved coursework on gender and women's studies and issues in feminist research and methods. It includes a thesis centrally related to gender and/or women's studies, the comprehensive examination, required (9) courses in Geography and Women's Studies and complementary (6) courses, one of which must pertain to gender and/or women's issues.

section 15.11.9.14: Doctor of Philosophy (Ph.D.); Geography — Neotropical Environment

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Ph.D. students offered in association with several university departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required (9) courses in Geography, Environment and Biology, and complementary courses (3) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

15.11.9.3 Geography Admission Requirements and Application Procedures

15.11.9.3.1 Admission Requirements

M.A. and M.Sc. Degrees

Attention is directed to the Graduate and Postdoctoral Studies admission regulations outlined in the Admission section of the Graduate and Postdoctoral Studies General Information, Regulations and Research Guidelines available at www.mcgill.ca/gradstudies.

Applicants not satisfying these conditions, but with primary undergraduate specialization in a cognate field, may be admitted to the M.A. or M.Sc. degree in Geography in certain circumstances. In general, they, and others who have deficiencies in their preparation but are otherwise judged to be acceptable, will be required to register for a qualifying program or to undertake additional courses.

Ph.D. Degree

Students who have completed a master's degree in Geography (with high standing) may be admitted at the Ph.D. 2 level.

On rare occasions, a student may be admitted to the Ph.D. degree without having first taken the master's degree. They, and others who have deficiencies in their preparation but are otherwise acceptable, will be required to register for a year of coursework and/or be required to take extra courses. The normal duration of a program, including field work where required, is three years.

Normally, the Department will restrict admission to the Ph.D. program to students prepared to work in one of the fields of human or physical geography in which specialized supervision is offered. These, which cover a wide range of systematic areas, are listed in documents available from the Department.
Application Procedures

Applicants will be considered upon receipt of:

1. application form;
2. official transcripts;
3. two letters of reference for master's; three for Ph.D.;
4. $100 application fee;
5. statement of proposed research;
6. official TOEFL or IELTS score (when necessary).

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill's online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

15.11.9.4 Geography Faculty

Chair
T. R. Moore (as of September 2011)

Graduate Program Director
George Wenzel

Post-Retirement
S.H. Olson; M.A., Ph.D.(Johns Hop.)

Professors
P.G. Brown; M.A., Ph.D.(Col.) (joint appt. with McGill School of Environment)
T.R. Moore; Ph.D.(Aberd.)
N.T. Roulet; M.Sc.(Trent), Ph.D.(McM.) (James McGill Professor)
G. Wenzel; M.A.(Manit.), Ph.D.(McG.)

Associate Professors
G.L. Chmura; M.Sc.(Rhode Is.), Ph.D.(Louis. St.)
O.T. Coomes; M.A.(Tor.), Ph.D.(Wisc. Mad.)
B. Forest; A.B.(Chic.), Ph.D.(Calif.-LA)
M.F. Lapointe; M.Sc.(McG.), Ph.D.(Br. Col.)
T.C. Meredith; M.Sc., Dip.Cons.(Lond.), Ph.D.(Cant.)
W.H. Pollard; M.A.(Guelph), Ph.D.(Ott.)
N.A. Ross; M.A.(Qu.), Ph.D.(McM.)
R. Sieber; M.P.A.(W. Mich.), Ph.D.(Rutg.) (joint appt. with McGill School of Environment)
I.B. Strachan; B.Sc.(Tor.), M.Sc., Ph.D.(Qu.) (cross appt. with Natural Resource Sciences)
J. Unruh; M.S.(Wisc.), Ph.D.(Ariz.)

Assistant Professors
L. Barrang-Ford; M.A.(Oxf.), Ph.D.(Guelph)
S. Breau; M.A.(Laval), Ph.D.(Calif.-LA)
B. Lehner; Ph.D.(Frankfurt)
J. Ford; Ph.D.(Guelph)
M. Kalacska; Ph.D.(Alta.)
**Assistant Professors**

N. Oswin; M.A. (Dal.), Ph.D. (Br. Col.)

G. Peterson; M.Sc., Ph.D. (Flor.)

N. Ramankutty; M.Sc. (Ill.), Ph.D. (Wisc.)

R. Sengupta; M.Sc., Ph.D. (Ill.)

S. Turner; M.Soc.Sc. (Waikato, N.Z.), Ph.D. (Hull, UK)

**Adjunct Professors**

R. Cooke, E. Levac

**Course Lecturer**

G. Akman

---

### 15.11.9.5 Master of Arts (M.A.); Geography (Thesis) (45 credits)

**Thesis Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 698</td>
<td>6</td>
<td>Thesis Proposal</td>
</tr>
<tr>
<td>GEOG 699</td>
<td>24</td>
<td>Thesis Research</td>
</tr>
</tbody>
</table>

**Required Courses (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
</tbody>
</table>

**Complementary Courses (12 credits)**

12 credits, four 3-credit courses at the 500 level or above selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

### 15.11.9.6 Master of Arts (M.A.); Geography (Thesis) — Environment (45 credits)

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9 credits), and complementary Geography and Environment (12 credits) courses.

**Thesis Courses (24 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 697</td>
<td>18</td>
<td>Thesis Research (Environment Option)</td>
</tr>
<tr>
<td>GEOG 698</td>
<td>6</td>
<td>Thesis Proposal</td>
</tr>
</tbody>
</table>

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
</tbody>
</table>

**Complementary Courses (12 credits)**

9 credits of courses at the 500 level or higher selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

3 credits, one course chosen from one of the following:
ENVR 519 (3) Global Environmental Politics
ENVR 544 (3) Environmental Measurement and Modelling
ENVR 580 (3) Topics in Environment 3
ENVR 611 (3) The Economy of Nature
ENVR 620 (3) Environment and Health of Species
ENVR 622 (3) Sustainable Landscapes
ENVR 630 (3) Civilization and Environment
ENVR 680 (3) Topics in Environment 4

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

15.11.9.7 Master of Arts (M.A.); Geography (Thesis) — Neotropical Environment (45 credits)

The Neotropical Environment Option is offered in association with several university departments, the McGill School of Environment and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required (9 credits) courses in Geography, Environment and Biology, and complementary courses (3 credits) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment and Political Science.

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

**Thesis Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 698</td>
<td>6</td>
<td>Thesis Proposal</td>
</tr>
<tr>
<td>GEOG 699</td>
<td>24</td>
<td>Thesis Research</td>
</tr>
</tbody>
</table>

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 640</td>
<td>3</td>
<td>Tropical Biology and Conservation</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
</tbody>
</table>

**Complementary Course (3 credits)**

3 credits, one Geography graduate course. GEOG 696 can count among these complementary credits for students with an appropriate background.

**Elective Courses (3 credits)**

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

15.11.9.8 Master of Arts (M.A.); Geography (Thesis) — Development Studies (45 credits)

The Development Studies Option (DSO) is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master’s students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

**Thesis Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 698</td>
<td>6</td>
<td>Thesis Proposal</td>
</tr>
<tr>
<td>GEOG 699</td>
<td>24</td>
<td>Thesis Research</td>
</tr>
</tbody>
</table>

**Required Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
<tr>
<td>INTD 657</td>
<td>3</td>
<td>Development Studies Seminar</td>
</tr>
</tbody>
</table>
Complementary Courses (9 credits)
9 credits of courses at the 500 level or higher related to geography and international development studies to be chosen in consultation with an adviser. GEOG 696 can count among these complementary credits for students with an appropriate background.

15.11.9.9 Master of Arts (M.A.); Geography (Thesis) — Gender and Women’s Studies (45 credits)
The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The student’s M.A. thesis must be on a topic centrally relating to issues of gender and/or women’s studies.

Note: Candidates for the M.A. degree follow an individual program approved by the Department.

Thesis Courses (30 credits)
GEOG 698 (6) Thesis Proposal
GEOG 699 (24) Thesis Research

Required Courses (6 credits)
GEOG 631 (3) Methods of Geographical Research
WMST 601 (3) Feminist Theories and Methods

Complementary Courses (9 credits)
6 credits at the 500 level or above in Geography. GEOG 696 can count among these complementary credits for students with an appropriate background.

WMST 602 (3) Feminist Research Symposium

OR one 3-credit graduate course on gender/women’s issues.

15.11.9.10 Master of Arts (M.A.); Geography (Thesis) — Social Statistics (45 credits)
The Social Statistics Option focuses on applications of quantitative methods in social science and is composed of the thesis (30 credits), required Geography courses (6 credits) and complementary Geography, Sociology, Economics, and Political Science courses (9 credits).

Thesis Courses (30 credits)
GEOG 698 (6) Thesis Proposal
GEOG 699 (24) Thesis Research

Required Courses (6 credits)
GEOG 631 (3) Methods of Geographical Research
GEOG 634 (3) Quantitative Methods in Geography

Complementary Courses (9 credits)
3 credits, one of the following courses:
ECON 688 (3) Seminar on Social Statistics
GEOG 688 (3) Seminar on Social Statistics
POLI 688 (3) Seminar on Social Statistics
SOCI 688 (1.5) Social Statistics 1
SOCI 689 (1.5) Social Statistics 2
6 credits, two 3-credit graduate-level courses selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

**15.11.9.11 Doctor of Philosophy (Ph.D.); Geography**

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research and coursework chosen in collaboration with the student’s supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course (3 credits), and a minimum of two complementary courses (6 credits). The Ph.D. in Geography also includes several options.

**Thesis**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
<tr>
<td>GEOG 700</td>
<td>0</td>
<td>Comprehensive Examination 1</td>
</tr>
<tr>
<td>GEOG 701</td>
<td>0</td>
<td>Comprehensive Examination 2</td>
</tr>
<tr>
<td>GEOG 702</td>
<td>0</td>
<td>Comprehensive Examination 3</td>
</tr>
</tbody>
</table>

**Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

**15.11.9.12 Doctor of Philosophy (Ph.D.); Geography — Environment**

The option consists of the thesis and comprehensive examination, required courses (9 credits) from Geography and Environment and complementary courses (9 credits) in Environment or other fields recommended by the research committee and approved by the Environment Option Committee.

**Thesis**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
</tbody>
</table>

**Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

One course chosen from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>3</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>ENVR 544</td>
<td>3</td>
<td>Environmental Measurement and Modelling</td>
</tr>
<tr>
<td>ENVR 580</td>
<td>3</td>
<td>Topics in Environment 3</td>
</tr>
<tr>
<td>ENVR 611</td>
<td>3</td>
<td>The Economy of Nature</td>
</tr>
<tr>
<td>ENVR 620</td>
<td>3</td>
<td>Environment and Health of Species</td>
</tr>
<tr>
<td>ENVR 622</td>
<td>3</td>
<td>Sustainable Landscapes</td>
</tr>
<tr>
<td>ENVR 630</td>
<td>3</td>
<td>Civilization and Environment</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>3</td>
<td>Topics in Environment 4</td>
</tr>
</tbody>
</table>

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.
Comprehensives

GEOG 700  (0)  Comprehensive Examination 1
GEOG 701  (0)  Comprehensive Examination 2
GEOG 702  (0)  Comprehensive Examination 3

15.11.9.13 Doctor of Philosophy (Ph.D.); Geography — Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Thesis

Required Courses

GEOG 631  (3)  Methods of Geographical Research
GEOG 700  (0)  Comprehensive Examination 1
GEOG 701  (0)  Comprehensive Examination 2
GEOG 702  (0)  Comprehensive Examination 3
WMST 601  (3)  Feminist Theories and Methods
WMST 602  (3)  Feminist Research Symposium

Complementary Courses

Two substantive courses.

One of these two courses must be taken within the Department of Geography at the 500 level or above; one of the two courses must be on gender/women’s issues at the 500, 600, or 700 level.

15.11.9.14 Doctor of Philosophy (Ph.D.); Geography — Neotropical Environment

The Neotropical Option is offered in association with several University departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required courses (9 credits) in Geography, Environment and Biology, and complementary courses (3 credits) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science.

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Thesis

Required Courses

BIOL 640  (3)  Tropical Biology and Conservation
ENVR 610  (3)  Foundations of Environmental Policy
GEOG 631  (3)  Methods of Geographical Research
GEOG 700  (0)  Comprehensive Examination 1
GEOG 701  (0)  Comprehensive Examination 2
GEOG 702  (0)  Comprehensive Examination 3

Elective Courses

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.
15.11.10 German Studies

15.11.10.1 Location

Department of German Studies
688 Sherbrooke Street West, Suite 425
Montreal, QC H3A 3R1
Canada

Telephone: 514-398-3650
Fax: 514-398-1748
Email: german.studies@mcgill.ca
Website: www.mcgill.ca/german

15.11.10.2 About German Studies

Faculty research specializations in German Studies cover philology and literary history from the 18th century to the present, film studies, history of the book, philosophy, intellectual history, and the history of the German left. Students may specialize in literature, intellectual history, film, and/or German media studies. Students in our Department often spend time abroad in Germany and Austria and take part in conference and workshop organization. Notable facilities and resources connected with German Studies include the Interacting with Print research group and the Moving Image Research Laboratory.

Ph.D. Language Tests

Ph.D. candidates in other disciplines who are required to pass a reading test in German may prepare themselves by taking GERM 200, GERM 202, or GERM 203D1/D2.

section 15.11.10.5: Master of Arts (M.A.); German (Thesis) (48 credits)

Students enrolled in the M.A. with thesis option complete six 3-credit courses and write an M.A. thesis under the direction of one faculty member. Students enrolled in the thesis M.A. in German take fewer courses than non-thesis M.A. students and finish their program by conceiving and executing a substantial research project under the supervision of one professor. This M.A. is geared toward students planning to do a Ph.D. in German Studies or a related field. M.A. students in this track have gone on to do Ph.D. degrees in German and related fields, and pursue academic careers.

section 15.11.10.6: Master of Arts (M.A.); German (Non-Thesis) (45 credits)

Students enrolled in the M.A. with non-thesis option complete nine 3-credit courses and three research papers. This program is geared toward students who may or may not plan to do a Ph.D. in German and therefore do not necessarily need to undertake a major research project, but would like to acquire a broad basis of courses in German culture and media. Non-thesis M.A. students have gone on to pursue a variety of careers inside and outside the academy.

section 15.11.10.7: Doctor of Philosophy (Ph.D.); German

Students enrolled in the Ph.D. program in German Studies take courses in literature, film, and media history during their first two years, before designing a set of comprehensive qualifying exams tailored towards their particular research and future teaching interests. After passing their exams (including language examination(s)), students may develop a doctoral dissertation topic in consultation with a Departmental faculty member. Students enrolled in this program have gone on to teach German Studies and related fields in universities, CEGEPs, or high schools, as well as pursuing some careers outside of the academy.

15.11.10.3 German Studies Admission Requirements and Application Procedures

15.11.10.3.1 Admission Requirements

Master’s

In order to be admitted to the M.A. program in German Studies, candidates must have at least a B.A. degree in German from McGill University or an equivalent degree from another college or university of recognized standing.

Applicants with joint degrees or majors degrees may be admitted on individual merit but they may be required to take additional courses. They may also be able to enter the program as qualifying students for the purpose of completing these preliminary studies.

In order to pursue graduate studies in German, all candidates must have considerable fluency in German, as all courses are given in German.

Graduate students holding a Language Instructorship or who are otherwise employed will normally not be allowed to take more than four courses a year. Students may be required to attend an approved course in English if their knowledge of that language is judged inadequate. All graduate students are expected to attend the staff-student colloquium.

Ph.D.

M.A. or equivalent.
1511.032 Application Procedures

1. Application form.
2. Two certified copies of all university transcripts (all transcripts not in English or French must be accompanied by a certified English or French translation).
3. Two letters of recommendation (in English or French).
4. $100 application fee.
5. Test results; TOEFL required of all applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). Minimum score of 86, with each component score not less than 20, required on the Internet-based TOEFL examination. Proof of TOEFL must be presented at time of application or shortly thereafter.
6. Writing sample.
7. Statement of academic intent.

All information is to be submitted directly to the Graduate Coordinator in the Department of German Studies.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

1511.104 German Studies Faculty

<table>
<thead>
<tr>
<th>Chair</th>
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<tbody>
<tr>
<td>K. Bauer</td>
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<table>
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<tr>
<th>Director of Graduate Studies</th>
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<tr>
<td>M. Cowan</td>
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<table>
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<tr>
<th>Emeritus Professor</th>
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<tbody>
<tr>
<td>P.M. Daly; B.A.(Brist.), Ph.D.(Zür.)</td>
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<table>
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<th>Professor</th>
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<tbody>
<tr>
<td>P. Peters; Ph.D.(Free Univ., Berlin)</td>
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<table>
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<th>Associate Professors</th>
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<tbody>
<tr>
<td>K. Bauer; M.A., Ph.D.(Wash.)</td>
</tr>
<tr>
<td>M. Cowan; B.A., Ph.D.(Calif., Berk.)</td>
</tr>
<tr>
<td>A. Piper; B.A.(Princ.), Ph.D.(Col.) (on sabbatical 2011-2012)</td>
</tr>
</tbody>
</table>

1511.105 Master of Arts (M.A.); German (Thesis) (48 credits)

Thesis Courses (30 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
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<td>GERM 691</td>
<td>(9)</td>
<td>Thesis Research 2</td>
</tr>
<tr>
<td>GERM 692</td>
<td>(12)</td>
<td>Thesis Research 3</td>
</tr>
</tbody>
</table>

Complementary Courses (18 credits)

Six 3-credit courses chosen from any graduate seminar listed as offered in the Department of German Studies. With the approval of the Graduate Studies Committee, students are normally permitted to take a maximum of 3 credits in another department.

Originality of research is not required for the thesis, but the student must show a critical understanding of the subject as demonstrated by the logical development of an argument that is supported by adequate documentation.

Students are expected to complete the degree requirements in two years. They are expected to begin work on their thesis before the end of the first session. The thesis should demonstrate ability to organize the material under discussion, and should be succinct and relevant.
15.11.10.6 Master of Arts (M.A.); German (Non-Thesis) (45 credits)

Research Project (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>GERM 680</td>
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<tr>
<td>GERM 681</td>
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<td>Research Paper 2</td>
</tr>
<tr>
<td>GERM 682</td>
<td>6</td>
<td>Research Paper 3</td>
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</table>

Complementary Courses (27 credits)

Nine 3-credit courses chosen from any graduate seminar listed as offered in the Department of German Studies. With the approval of the Graduate Studies Committee, students are permitted to take a maximum of 3 credits in another department.

15.11.10.7 Doctor of Philosophy (Ph.D.); German

Thesis

Required Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tr>
<td>GERM 701</td>
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<td>Ph.D. Comprehensive Examination</td>
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</table>

Complementary Courses

Eight 3-credit courses (24 credits); with the approval of the Graduate Studies Committee, students are permitted to take a maximum of 6 credits in another department.

Language Requirement

French Language examination or Latin (if specializing in German Literature before 1600).

Original research leading to new insights is a prerequisite for the acceptance of a Ph.D. thesis.

As a rule, it will take a student at least three years after the M.A. degree to complete the requirements for the Ph.D. degree. Students who have not spent an appreciable length of time in a German-speaking country are advised to spend one year at a university in such a country, for which credit may be given in the above program.

15.11.11 Hispanic Studies

15.11.11.1 Location

Department of Hispanic Studies
688 Sherbrooke Street West, Room 425
Montreal, QC H3A 3R1
Canada

Telephone: 514-398-6683
Fax: 514-398-1748
Email: hispanic.studies@mcgill.ca
Website: www.mcgill.ca/hispanic

15.11.11.2 About Hispanic Studies

The Department of Hispanic Studies is committed to the disciplined study of all aspects of the literature, intellectual history, and culture of Spain and Latin America, as well as the Spanish and Portuguese languages. Currently, the Department of Hispanic Studies has three outstanding research areas: Colonial and Peninsular Baroque and Enlightenment, with a variety of intellectual and methodological approaches; Queer Studies particularly focused on contemporary Argentina and Spain; and Film and Literary Studies on contemporary Latin America. The Department has an outstanding Media Resource Centre, whose collection of films and music has over 300 titles from Latin America and Spain, with media in Spanish, Portuguese, and English. The Department offers unique opportunities for graduate students through its involvement in The Hispanic Baroque Project, a SSHRC-MCRI funded research project. The Project membership includes an international team of more than 30 scholars from all over the world.

A limited number of language instructorships are available each year and those interested should apply c/o the Graduate Coordinator.
section 15.11.11.5: Master of Arts (M.A.); Hispanic Studies (Thesis) (48 credits)

(Currently, students are only admitted to the Thesis option in exceptional circumstances.)

The combination of three courses and one Thesis Preparation course will permit these students the 12 credits per term average that is required for most fellowships.

section 15.11.11.6: Master of Arts (M.A.); Hispanic Studies (Non-Thesis) (48 credits)

All candidates pursuing the M.A. without thesis, both full- and part-time, must successfully complete at least one of their Guided Research projects during the first 12 months. In accordance with the regulations established by Graduate and Postdoctoral Studies, students in non-thesis programs who do not take at least 12 credits per term for the duration of the program are considered to proceed toward their degree on a part-time basis.

section 15.11.11.7: Doctor of Philosophy (Ph.D.); Hispanic Studies

Please consult the Department for more information about the Ph.D. in Hispanic Studies.

15.11.11.3 Hispanic Studies Admission Requirements and Application Procedures

1511.1131 Admission Requirements

M.A. Degree (Non-Thesis or Thesis)

(Currently, students are only admitted to the Thesis option in exceptional circumstances.)

In order to be admitted to graduate work in Hispanic Studies, candidates must fulfill the following prerequisites:

1. Candidates must possess a B.A. degree with Honours or, in certain cases, Joint Honours in Hispanic Studies from McGill University, or an equivalent degree from another college or university of recognized standing.
2. Candidates who do not possess the above prerequisites may, with special permission, enter the Department as Qualifying students for the purpose of completing these preliminary studies. They may have to take, among other courses, HISP 550, Comprehensive Examination.

Students may be required to attend an approved course in English or French if their knowledge of either language is deemed inadequate.

Prospective candidates may certainly express their preference, but should note that the Graduate Committee of the Department of Hispanic Studies reserves the right to determine which of the two options (thesis/non-thesis) students admitted to the M.A. program will be permitted to pursue and/or continue to completion.

Ph.D. Degree

Applicants must normally possess an M.A. in Hispanic Studies, or in a related discipline, from a university of recognized standing. These applicants will be admitted to Ph.D. 2 and follow the program requirements listed below. Exceptionally qualified candidates may apply to enter into Ph.D. 1 directly from the B.A. Honours, and will be required to complete an additional six 3-credit courses above those listed below.

Applicants must demonstrate proficiency in Spanish, and when appropriate in Portuguese, plus a working knowledge of either French or English.

Applicants should submit samples of research papers that they have completed during the course of their previous studies. Submission of the results of the Graduate Record Examination is also encouraged.

1511.1132 Application Procedures

Applications will be considered upon receipt of:

1. duly completed application form;
2. two certified copies of all university transcripts (all transcripts not in English or French must be accompanied by a certified English or French translation);
3. two letters of recommendation (in English or French);
4. $100 application fee;
5. applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit TOEFL scores. Minimum score of 86, with each component score not less than 20, required on the Internet-based TOEFL examination. Proof of TOEFL must be presented at time of application or shortly thereafter;
6. a sample of recent written work;
7. statement of academic intent.

All information should be submitted directly to the Graduate Coordinator.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.
15.11.11.4 Hispanic Studies Faculty

Chair
TBA

Chair of Graduate Program
A. Holmes

Professors
J. Pérez-Magallón; Lic.Fil.(Barcelona), Ph.D.(Penn.)
K. Sibbald; M.A.(Cant.), M.A.(Liv.), Ph.D.(McG.)

Associate Professors
D.A. Boruchoff; A.B., A.M., Ph.D.(Harv.)
A. Holmes; B.A.(McG.), M.A., Ph.D.(Ore.)
J.R. Jouvé-Martín; Lic.Fil.(Madrid), Ph.D.(G'town)
F. Macchi; Lic.Lit.(Buenos Aires), M.A.(Ore.), Ph.D.(Yale)

Assistant Professor
L. Alonso-Ovalle; Lic.(Oviedo), M.A., Ph.D.(Mass.) (joint appt. with Linguistics)

15.11.11.5 Master of Arts (M.A.); Hispanic Studies (Thesis) (48 credits)

Thesis Courses
HISP 695 (3) Thesis Preparation 1
HISP 696 (3) Thesis Preparation 2
HISP 697 (24) M.A. Thesis

Complementary Courses (18 credits)
Six 3-credit graduate-level HISP courses, with a maximum of 6 credits from Special Topics courses: HISP 690 to 694.
Students admitted to this option normally pursue their studies on a full-time basis. The combination of three courses and one Thesis Preparation course will permit these students the 12 credits per term average that is required for most Fellowships.

15.11.11.6 Master of Arts (M.A.); Hispanic Studies (Non-Thesis) (48 credits)

All candidates pursuing the M.A. without thesis must complete HISP 615. Candidates choosing to focus their research on the literature of Spain will take HISP 616. Those wishing to specialize in the literature of Spanish America will take HISP 617.

At the conclusion of each Research Project, students will be required to produce an extended essay, or series of essays, during a 48-hour period with full access to critical material. Each of these essays will be examined by at least two faculty members. Normally, the examinations for each of these projects will be offered only once during the academic year and always in the same rotation: HISP 615 in December, and both HISP 616 and HISP 617 in April.

Research Project (18 credits)
Note: Students may take either HISP 616 OR HISP 617.
HISP 615 (9) Medieval and Golden Age Literature: Grp
HISP 616 (9) Modern and Contemporary Spanish Literature: Grp
HISP 617 (9) Modern and Contemporary Spanish-American Literature: Grp

Required Courses (6 credits)
Complementary Courses (24 credits)

Eight 3-credit graduate-level HISP courses.

15.11.1.7 Doctor of Philosophy (Ph.D.); Hispanic Studies

Thesis

Required Courses (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HISP 701</td>
<td>(0)</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>HISP 713</td>
<td>(3)</td>
<td>Research Seminar</td>
</tr>
</tbody>
</table>

Complementary Courses (18 credits)

Six 3-credit courses

Language Requirement

Proficiency in Spanish, and, when appropriate, in Portuguese, as well as a functional ability in French and English. A reading knowledge of a fourth language will be determined according to the needs of the candidate’s research program.

All courses, comprehensive examinations and language requirements will normally be completed before the dissertation topic is formally approved. A dissertation proposal should be submitted to the Graduate Committee of the Department of Hispanic Studies for approval no later than the end of the second year of full-time doctoral studies.

All general regulations of Graduate and Postdoctoral Studies regarding the Ph.D. degree shall apply.

Required Academic Activities: All candidates preparing their dissertation are required to give an annual formal presentation of their research to the Department, normally beginning in their third year of full-time doctoral studies.

15.11.12 History and Classical Studies

15.11.12.1 Location

Department of History and Classical Studies
Stephen Leacock Building, Room 608
855 Sherbrooke Street West
Montreal, QC H3A 2T7
Canada

Telephone: 514-398-2844
Fax: 514-398-8365
Email: graduate.history@mcgill.ca
Website: www.mcgill.ca/history/graduate
Website: www.mcgill.ca/classics/graduate-studies

15.11.12.2 About History and Classical Studies

The Department of History and Classical Studies has particular strengths in Canadian history, British and European history, East Asian history, the history of medicine, the history of science, and newer fields such as the history of gender and sexuality, the history of the Atlantic and Indian Ocean worlds, and global history. The Department offers interdisciplinary options in European studies, developmental studies, and women’s studies at the M.A. level. Both M.A. and Ph.D. students can also write their thesis or research paper on the History of Medicine. The Department is composed of 39 full-time faculty members as well as a strong complement of visiting professors, faculty lecturers, and postdoctoral fellows. This array of dedicated teachers and scholars supports high-quality instruction and research across the periods of history and regions of the globe. Our professors have won many prizes for their books and articles, and their on-going investigations are supported by the Social Sciences and Humanities Research Council of Canada (SSHRC), the FQRSC, CFI, the Killam Trust, and the Mellon Foundation. The Department is home to a number of major collaborative research projects, all of which also include students. Among these are The Montreal History Group; The Indian Ocean World Centre (IOWC); Quelques arpents de neige, an environmental history group; and the French Atlantic History Group.
Classics was among the first disciplines taught at McGill College. Our students benefit from the resources of closely related disciplines and draw on the academic expertise of scholars from various backgrounds. Many awards and prizes are available for students who excel in the classroom, and both undergraduates and graduates can join professors on study tours and field projects. Students can also become members of the Classics Students Association and publish their work in the McGill Journal of Classical Studies, aptly titled Hirundo – the Latin for “swallow”, like the martlets found on the McGill coat-of-arms, ever soaring in search of knowledge.

We offer prospective students the chance to study with leading scholars in a variety of fields.

Refer to the Department of History and Classical Studies website for detailed regulations and information (www.mcgill.ca/history).

Degrees in History

The program is normally completed in three terms, or one calendar year (Fall, Winter, and Summer). Candidates for the M.A. degree follow an individual program approved by the Department. The M.A. in History offers advanced training in the scholarly discipline of history in a variety of fields. The McGill History degree carries international prestige and cachet and contributes meaningfully to success on the job market. Careers pursued by our graduates, aside from those who have sought and found places on the faculties of colleges and universities, have included positions in the area of public history at museums and other public institutions, in libraries and archives, in the diplomatic and other branches of the civil service, and in a variety of NGOs.

section 15.11.12.5: Master of Arts (M.A.); History (Thesis) (45 credits)

Students participate in courses and seminars that deepen their understanding of the problems, topics, and issues confronting professional historians. Preparation of a thesis provides an opportunity for the preparation of a sustained project under close supervision.

section 15.11.12.6: Master of Arts (M.A.); History (Thesis) — Development Studies (45 credits)

The Development Studies Option (DSO) is a cross-disciplinary program offered as an option within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This option is for master’s students specializing in international development. Students enter through one of the participating departments and must meet the Department of History’s M.A. requirements. Students admitted to this option participate in an interdisciplinary seminar in place of three history seminar credits and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

section 15.11.12.7: Master of Arts (M.A.); History (Thesis) — European Studies (45 credits)

The European Studies Option is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the departments of History, Political Science, and Sociology as well as the Faculty of Law. This option is for students interested in combining the approaches of history and political science to European studies, whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students admitted to this option participate in an interdisciplinary seminar in place of three history seminar credits and write their thesis on a topic approved by the specific option’s coordinating committee. The M.A. thesis must be on a topic relating to European Studies, approved by the European Studies Option (ESO) coordinating committee.

section 15.11.12.8: Master of Arts (M.A.); History (Thesis) — Gender and Women’s Studies (45 credits)

This option provides student with cross-disciplinary specialization in feminist, women’s, and gender studies. Students admitted to this option participate in an interdisciplinary seminar in place of three history seminar credits and write their thesis on a topic approved by the specific option’s coordinating committee. The thesis must be on a topic centrally related to gender and/or women’s studies.

section 15.11.12.9: Master of Arts (M.A.); History (Non-Thesis) (45 credits)

Students participate in courses and seminars that deepen their understanding of the problems, topics, and issues confronting professional historians. The seminars, in particular, provide an opportunity to analyze primary sources under close supervision.

section 15.11.12.10: Master of Arts (M.A.); History (Non-Thesis) — Development Studies (45 credits)

The Development Studies Option (DSO) is a cross-disciplinary program offered as an option within existing M.A. programs in the departments of Geography, History, Political Science, and Sociology. This option is for master’s students specializing in international development. Students enter through one of the participating departments and must meet the History Department’s M.A. requirements. Students admitted to this option participate in an interdisciplinary seminar in place of three history seminar credits and write their research paper on a topic approved by the DSO coordinating committee.

section 15.11.12.11: Master of Arts (M.A.); History (Non-Thesis) — European Studies (45 credits)

The European Studies Option is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the departments of History, Political Science, and Sociology as well as the Faculty of Law. This option is for students interested in combining the approaches of history and political science to European studies, whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students admitted to this option participate in an interdisciplinary seminar in place of three history seminar credits and write their research paper on a topic approved by the European Studies Option (ESO) coordinating committee.
section 15.11.12: Master of Arts (M.A.); History (Non-Thesis) — Gender and Women Studies (45 credits)
This option provides student with cross-disciplinary specialization in feminist, women's, and gender studies. Students admitted to this option participate in an interdisciplinary seminar in place of three history seminar credits and write their research paper on a topic approved by the specific option's coordinating committee.

section 15.11.12.13: Master of Arts (M.A.); History of Medicine (Non-Thesis) (45 credits)
The M.A. Degree in the History of Medicine does not have a thesis option. This non-thesis degree is normally completed in one year. Candidates for the M.A. degree follow an individual program approved by the Department. Students participate in courses and seminars that deepen their understanding of the problems, topics, and issues confronting professional historians. The curriculum is intended to provide students with a strong disciplinary competence in history and a distinctively interdisciplinary perspective. Candidates must have a background in either history (Honours B.A. in History, or equivalent) or a degree in one of the health professions.

section 15.11.12.14: Doctor of Philosophy (Ph.D.); History
The Ph.D. in History is a professional degree program that prepares students for participation in the academy as historians. They gain competence in historical methods and good control over at least three fields of study. The dissertation is a work of primary research that makes a significant contribution to knowledge. Candidates in the field of Medical History will prepare the major field for the comprehensive examination with a member of the Department of Social Studies of Medicine and the two minor fields with members of the Department of History and Classical Studies. The thesis will normally be directed by the director of the major field. In all other respects, the same rules will apply to candidates in this area as apply to other Ph.D. students in History.

Degrees in Classics

section 15.11.12.15: Master of Arts (M.A.); Classics (Thesis) (45 credits)
The M.A. in Classics offers advanced training in the scholarly discipline of classical studies in a variety of fields. The program emphasizes proficiency both in technical areas of the discipline, especially Greek and Latin language, and in critical reading, writing, and research skills. The McGill M.A. in Classics is designed to prepare students to enter doctoral programs and, eventually, an academic career in any of the related fields of classical studies. Graduates have also pursued successful careers in teaching, law, museum science, and branches of civil service. This program can be completed in one year, though it is normally completed in two years.

section 15.11.12.16: Master of Arts (M.A.); Classics (Non-Thesis) (45 credits)
(not offered in 2011–2012)

section 15.11.12.17: Doctor of Philosophy (Ph.D.); Classics
(not offered in 2011–2012)

15.11.12.3 History and Classical Studies Admission Requirements and Application Procedures

15.11.12.3.1 Admission Requirements
General: CGPA minimum of 3.3 on 4.0; TOEFL minimum of 550 on the paper-based test, or 86 on the Internet-based test, with each component score no less than 20.

Master in History
Normally, candidates are required to possess a B.A. (Honours) in History consisting of 60 credits in history. Students with other undergraduate history degrees (normally including serious research components) may be considered eligible. Applicants not satisfying these conditions but otherwise judged worthy of serious consideration will be asked to register in a Qualifying Program in which they will undertake advanced undergraduate work.

Master in History – Development Studies Option
Students have the same admission requirements as above.

Master in History – European Studies Option
Students have the same admission requirements as above.

Master in History – Gender and Women's Studies Option
Students have the same admission requirements as above.

Master in History of Medicine
Candidates must have a background in either history – B.A. (Honours) or equivalent – or a degree in one of the health professions with some background in history. Candidates with a willingness to do preparatory work in history are also encouraged to apply.

Ph.D. in History
Normally, an M.A. in History. (Students choosing the field of History of Medicine normally enter with an M.A. in History of Medicine.)
Master in Classics
Candidates are required to have a B.A. Honours in Classics or equivalent.

Ph.D. in Classics
Candidates are required to have a McGill M.A. in Classics or equivalent.

15.11.12.3 Application Procedures

Dates for Guaranteed Consideration
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Note: We are not willing to consider any applications to be admitted to History programs in the Winter term.

Note: We are not willing to consider any applications, including those from Special/Exchange/Visiting students, to be admitted to Classics programs in the Winter/Summer term.

Completed applications and supporting material must be submitted directly to the Graduate Coordinator by the dates for guaranteed consideration. Refer to the Department of History and Classical Studies website for detailed information (www.mcgill.ca/history/graduate).

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

15.11.12.4 History and Classical Studies Faculty

Chair
John E. Zucchi

Director of Classical Studies
Hans Beck

Graduate Program Director
Gershon D. Hundert

Coordinator of Graduate Funding
Nicholas Dew

Emeritus Professors
Myron Echenberg; M.A.(McG.), Ph.D.(Wisc.)
Andrée Lévesque; B.A.(Laval), M.A., Ph.D.(Duke)
Michael P. Maxwell; B.A.(Sir G. Wms.), M.A., Ph.D.(McG.)
Carman I. Miller; B.A., B.Ed.(Acad.), M.A.(Dal.), Ph.D.(Lond.)
Desmond Morton; B.A.(R.M.C.), B.A., M.A.(Oxf.), Ph.D.(Lond.) (Hiram Mills Emeritus Professor of History)
Albert Schachter; B.A.(McG.), D.Phil.(Oxf.) (Hiram Mills Emeritus Professor of Classics)
George Michael Woloch; B.A.(Yale), B.A., M.A.(Oxf.), Ph.D.(Johns Hop.) (John McNaughton Emeritus Professor of Classics)
Brian J. Young; B.A.(Tor.), M.A., Ph.D.(Qu.) (James McGill Emeritus Professor of History)

Professors
Hans Beck; Ph.D.(Erlangen) (John MacNaughton Professor of Classics)
Valentin J. Boss; B.A.(Cant.), Ph.D.(Harv.)
Gwyn Campbell; B.Soc.Sc., M.Soc.Sc.(Birm.), Ph.D.(Wales) (Canada Research Chair)
Allan Greer; B.A.(Br. Col.), M.A.(Car.), Ph.D.(York)
John W. Hellman; B.A.(Marq.), M.A., Ph.D.(Harv.)
Peter Hoffmann; Ph.D.(Munich), F.R.S.C. (William Kingsford Professor of History)
Gershon D. Hundert; B.A., M.A.(Ohio St.), Ph.D.(Col.) (Leantor Segal Professor of Jewish Studies) (joint appt. with Jewish Studies)
**Professors**

Suzanne Morton; B.A.(Trent), M.A., Ph.D.(Dal.)  
Yuzo Ota; B.A., M.A., Ph.D.(Tokyo)  
Nancy F. Partner; B.A., M.A., Ph.D.(Calif.)  
Andrea Tone; B.A.(Qu.), M.A., Ph.D.(Emory) (*Canada Research Chair* (joint appt. with Social Studies of Medicine))  
Gil E. Troy; A.B., A.M., Ph.D.(Harv.)  
Robin D.S. Yates; B.A., M.A.(Oxf.), M.A.(Calif.), Ph.D.(Harv.) (*James McGill Professor* (joint appt. with East Asian Studies))  
John E. Zucchi; B.A., M.A., Ph.D.(Tor.)

**Associate Professors**

Paula Clarke; B.A.(Mem.), B.A.(Oxf.), M.A.(Tor.), Ph.D.(Lond.)  
Brian Cowan; B.A.(Reed), M.A., Ph.D.(Princ.) (*Canada Research Chair*)  
Catherine Desbarats; B.A.(Qu.), D.Phil.(Oxf.), Ph.D.(McG.)  
Nicolas Dew; B.A., M.Sc., D.Phil.(Oxf.)  
Elizabeth Elbourne; B.A., M.A.(Tor.), D.Phil.(Oxf.)  
Michael P. Fronda; B.A.(C'nell), M.A., Ph.D.(Ohio St.)  
Elsbeth Heaman; B.A., M.A.(McG.), Ph.D.(Tor.) (*Canada Research Chair*)  
Catherine LeGrand; B.A.(Reed), M.A., Ph.D.(Stan.)  
Brian Lewis; B.A., M.A.(Oxf.), A.M., Ph.D.(Harv.)  
Lorenz Lüthi; Lic.Phil.I(Zürich), M.A., M.Phil., Ph.D.(Yale)  
Leonard Moore; A.B., M.A., Ph.D.(Calif.)  
Jason Opal; B.A.(C’nell), M.A., Ph.D.(Brandeis)  
Laila Parsons; B.A.(Exe.), D.Phil.(Oxf.) (*joint appt. with Institute of Islamic Studies*)  
R. Jarrett Rudy; B.A., M.A.(Ont.), Ph.D.(McG.)  
Daviken Studnicki-Gizbert; B.A.(Montr.), M.Phil., Ph.D.(Yale)  
Griet Vankeerberghen; License(Louvain), Ph.D.(Princ.) (*joint appt. with East Asian Studies*)  
Faith Wallis; B.A., M.A.(McG.), Ph.D.(Tor.) (*joint appt. with Social Studies of Medicine*)

**Assistant Professors**

Malek H. Abisaab; B.A.(Lebanese U.), M.A.(CUNY), Ph.D.(Binghampton) (*joint appt. with Institute of Islamic Studies*)  
Charles W. Gladhill; B.A.(Mich.), M.A.(Georgia South.), Ph.D.(Stan.)  
Lynn Kozak; B.A.(Col.), M.A.(Lond.), Ph.D.(Nott.)  
James Kräftl; A.B.(Stan.), M.A.(CEU), Ph.D.(Calif.)  
Johanna Ransmeier; B.A.(Amh.), M.A., Ph.D.(Yale)

**Part-Time Assistant Professor**

Jason Szabo; M.D.(Alta.), M.A.(McG.), Ph.D.(McG.)

**Faculty Lecturers**

Donald W. Baronowski; B.A.(McG.), M.A.(Br. Col.), Ph.D.(Tor.)  
Thomas Jundt; B.A., M.A.(Neb.), Ph.D.(Brown)  
Margaret Palczynski; B.Sc.(McG.), M.A.(C’dia)  
Judith Szapor; B.A., M.A., Ph.D.(York)
15.11.12.5 Master of Arts (M.A.); History (Thesis) (45 credits)

**Thesis Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
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<td>Thesis Research 2</td>
</tr>
<tr>
<td>HIST 698</td>
<td>(12)</td>
<td>Thesis Research 3</td>
</tr>
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</table>

**Complementary Courses (12 credits)**

12 credits at the 500, 600, or 700 level.

No more than 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.12.6 Master of Arts (M.A.); History (Thesis) — Development Studies (45 credits)

The Development Studies Option is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the Departments of Anthropology, Economics, Geography, History, Political Science, and Sociology. The Department of History and Classical Studies offers the option as either a Thesis or a Non-Thesis program. Both programs are open to M.A. students specializing in development studies. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. For both the M.A. Thesis and the Non-Thesis programs, the M.A. thesis or research essay must be on a topic relating to development studies, approved by the DSO coordinating committee.

**Thesis Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 696</td>
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<tr>
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**Required Course (3 credits)**

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<tr>
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<tbody>
<tr>
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</table>

**Complementary Courses (9 credits)**

9 credits at the 500, 600, or 700 level selected as follows:

6 credits relating to developmental studies.

3 credits relating to the student's program of study.

No more than 3 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.12.7 Master of Arts (M.A.); History (Thesis) — European Studies (45 credits)

**Thesis Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
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<tr>
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**Required Courses (3 credits)**

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<tr>
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<tbody>
<tr>
<td>HIST 659</td>
<td>(3)</td>
<td>Interdisciplinary Seminar in European Studies</td>
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</table>

**Complementary Courses (9 credits)**

9 credits at the 500 level or higher, selected as follows:
6 credits on European themes and issues;
No more than 3 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.12.8 Master of Arts (M.A.); History (Thesis) — Gender and Women's Studies (45 credits)

Thesis Courses (33 credits)

<table>
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<tr>
<th>Course</th>
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<tr>
<td>HIST 697</td>
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Required Courses (3 credits)

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<tbody>
<tr>
<td>WMST 601</td>
<td>(3)</td>
<td>Feminist Theories and Methods</td>
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Complementary Courses (9 credits)

9 credits at the 500 level or higher, selected as follows:
3 credits on gender-related issues;
No more than 3 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.12.9 Master of Arts (M.A.); History (Non-Thesis) (45 credits)

Research Project (15 credits)

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Required Courses (12 credits)

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<td>Research Proposal</td>
</tr>
<tr>
<td>HIST 685</td>
<td>(3)</td>
<td>Directed Research</td>
</tr>
<tr>
<td>HIST 686</td>
<td>(6)</td>
<td>Bibliography Tutorial</td>
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</table>

Complementary Courses (18 credits)

18 credits at the 500, 600, or 700 level.
No more than 6 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.

1511.12.10 Master of Arts (M.A.); History (Non-Thesis) — Development Studies (45 credits)

Research Project (15 credits)

<table>
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<tr>
<th>Course</th>
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<tr>
<td>HIST 687</td>
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<td>HIST 688</td>
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Required Courses (15 credits)

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<tr>
<td>HIST 685</td>
<td>(3)</td>
<td>Directed Research</td>
</tr>
<tr>
<td>HIST 686</td>
<td>(6)</td>
<td>Bibliography Tutorial</td>
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</table>
INTD 657 (3) Development Studies Seminar

Complementary Courses (15 credits)
15 credits at the 500 level or higher selected as follows:
6 credits relating to development studies;
9 credits relating to the student's program of study.
No more than 3 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.1211 Master of Arts (M.A.); History (Non-Thesis) — European Studies (45 credits)

Research Project (15 credits)
HIST 687 (9) M.A. Paper 1
HIST 688 (6) M.A. Paper 2

Required Courses (15 credits)
HIST 659 (3) Interdisciplinary Seminar in European Studies
HIST 684 (3) Research Proposal
HIST 685 (3) Directed Research
HIST 686 (6) Bibliography Tutorial

Complementary Courses (15 credits)
15 credits at the 500 level or higher selected as follows:
6 credits on European themes and issues;
No more than 3 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.1212 Master of Arts (M.A.); History (Non-Thesis) — Gender and Women Studies (45 credits)

Research Project (15 credits)
HIST 687 (9) M.A. Paper 1
HIST 688 (6) M.A. Paper 2

Required Courses (15 credits)
HIST 684 (3) Research Proposal
HIST 685 (3) Directed Research
HIST 686 (6) Bibliography Tutorial
WMST 601 (3) Feminist Theories and Methods

Complementary Courses (15 credits)
15 credits at the 500 level or higher selected as follows:
3 credits on gender-related issues;
No more than 3 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.
15.11.12.13 Master of Arts (M.A.); History of Medicine (Non-Thesis) (45 credits)

Research Project (15 credits)
HIST 687 (9) M.A. Paper 1
HIST 688 (6) M.A. Paper 2

Required Courses (12 credits)
HIST 684 (3) Research Proposal
HIST 685 (3) Directed Research
HIST 686 (6) Bibliography Tutorial

Complementary Courses (18 credits)
18 credits at the 500, 600, or 700 level
6-12 credits in History of Medicine courses chosen from the following:
HIST 619 (3) Ancient Medicine Seminar 1
HIST 620 (3) Ancient Medicine Seminar 2
HIST 636 (3) Medieval Medicine Seminar 1
HIST 637 (3) Medieval Medicine Seminar 2
HIST 640 (3) Modern Medicine Seminar 1
HIST 641 (3) Modern Medicine Seminar 2
HSSM 604 (3) History of Medicine

6-12 credits in History (non-Medicine) courses.
Up to 6 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.12.14 Doctor of Philosophy (Ph.D.); History

Thesis

Required Courses
HIST 702 (0) Comprehensive Examination - Major Field
HIST 703 (0) Comprehensive Examination - First Minor Field
HIST 704 (0) Comprehensive Examination - Second Minor Field

Complementary Courses
A maximum of 9 credits previously completed at the graduate level, whether at McGill or elsewhere. Courses must be at the 500, 600, or 700 level. Up to 6 credits may be taken in another department. Students who enter the program in Fall 2011 are exempt from this requirement if they so wish.

Language Requirement
Ph.D. candidates must offer one foreign language for examination purposes. Candidates may need a reading knowledge of such other languages as are required for research purposes in their major field. The Department expects that candidates will have successfully demonstrated competence in the one required language by the end of their Ph.D. 3 year.

15.11.12.15 Master of Arts (M.A.); Classics (Thesis) (45 credits)

Thesis Courses (27 credits)
Complementary Courses (18 credits)

18 credits of Classics or Classics-related courses at the graduate level (500 level or higher). A complete list of Classics and Classics-related courses is available on the Classical Studies website: http://www.mcgill.ca/classics/graduate-studies/courses/

At least 6 credits of coursework must be language courses taught in Classical Studies (Ancient Greek, Latin, or Modern Greek) with the CLAS prefix.

Each candidate for the M.A. degree must demonstrate advanced proficiency in both Ancient Greek and Latin OR in Modern Greek by the completion of the M.A. program.

15.11.12.16 Master of Arts (M.A.); Classics (Non-Thesis) (48 credits)

(not offered in 2011-12)

Research Project (12 credits)

<table>
<thead>
<tr>
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<td>CLAS 682</td>
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<td>M.A. Research Paper 2</td>
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<td>CLAS 683</td>
<td>3</td>
<td>M.A. Research Paper 3</td>
</tr>
<tr>
<td>CLAS 684</td>
<td>3</td>
<td>M.A. Research Paper 4</td>
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</table>

Complementary Courses (24 credits)

All seminars in Classics, Ancient History, and ancient Philosophy count for the seminars requirement of the complementary courses.

Special Subjects (12 credits)

<table>
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<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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<td>CLAS 686D2</td>
<td>3</td>
<td>M.A. Special Subject 2</td>
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</tbody>
</table>

15.11.12.17 Doctor of Philosophy (Ph.D.); Classics

(not offered in 2011-12)

Thesis

Complementary Courses (24 credits)

All seminars in Classics, Ancient History and ancient Philosophy count for the seminars requirement of the complementary courses.

15.11.13 Institute for the Study of International Development

15.11.13.1 Location

Institute for the Study of International Development (ISID)
Peterson Hall, Room 126
3460 McTavish Street
Montreal, QC H3A 1X9
Canada

Telephone: 514-398-3507
ISID is a interdisciplinary institute in the Faculty of Arts with over 40 members from various faculties. It also works with an international community of scholars, development groups, and the public. Interdisciplinary research sponsored by ISID revolves around four themes: democracy and democratization, economic development, states and state-building, and social pluralism and civil society. It organizes seminars and conferences on development issues related to these themes.

Since September 2008, graduate students have been able to register in the Development Studies option, a cross-disciplinary M.A. program in which six departments currently participate: Anthropology, Economics, Geography, History, Political Science, and Sociology. Further information about this option can be found in these departmental sections of this publication and on the ISID website at www.mcgill.ca/isid/studies/option.

Admission Requirements

Students will ONLY be considered for the Development Studies Option (DSO) once they have been accepted into a master's program in one of the six participating departments (Anthropology, Economics, Geography, History, Political Science, and Sociology) at McGill.

Application Procedures

Students applying through a participating department must indicate in their application that they want to be considered for the DSO. Final approval on admission to the DSO will be made once the files of successful departmental applicants have been received at ISID.

Islamic Studies

About Islamic Studies

Opportunities for research are wide and varied, reflecting the interests of both the faculty and students. Students may choose a specialization from the following options: Arabic Literatures; Arab American/Arab Canadian Literatures; Persian Literature; Urdu Literature; Islamic Theology; Islamic Philosophy;
Science in Islamic Societies; Islamic History; Safavid History; History of the Modern Middle East; Anthropology and History of Modern Iran; Islam and Politics; Islam in Africa; and Women and Gender Studies in Islam. Students have the opportunity to be involved in a number of cutting-edge research projects.

The degrees and specializations offered at the Institute are the M.A. in Islamic Studies (Thesis); M.A. in Islamic Studies (Thesis) with Option in Gender and Women’s Studies; Ph.D. in Islamic Studies; and Ph.D. in Islamic Studies with Option in Gender and Women’s Studies.

The Islamic Studies Library is especially strong in its reference materials and periodical holdings for the Islamic regions. The collection, one of the largest in North America, contains over 100,000 volumes in the principal European languages as well as in Arabic, Persian, Turkish, Urdu, and other Islamic languages.

section 15.11.14.5: Master of Arts (M.A.); Islamic Studies (Thesis) (45 credits)

Students pursuing the M.A. in Islamic Studies at the Institute normally have an undergraduate specialization in the Humanities or Social Sciences, preferably with a Major in Islamic Studies or Middle Eastern Studies and knowledge of Arabic at the introductory level. The atmosphere at the Institute is strongly international and the low student-teacher ratio is conducive to a high degree of interaction. Subsequent career paths include teaching at the secondary and post-secondary levels, working for NGOs, government agencies, or companies doing business in Islamic countries, and further graduate study in the field.

section 15.11.14.6: Master of Arts (M.A.); Islamic Studies (Thesis) — Gender and Women’s Studies (45 credits)

This option is an interdisciplinary program for students who wish to specialize in Islamic Studies and earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. Students pursuing the degree at the Institute normally have an undergraduate specialization in the Humanities or Social Sciences, preferably with a Major in Islamic Studies or Middle Eastern Studies and knowledge of Arabic at the introductory level. The student’s Master’s thesis must be on a topic centrally relating to issues of gender and/or women’s studies. Subsequent career paths include teaching at the secondary and post-secondary levels, working for NGOs, government agencies, or companies doing business in Islamic countries, and further graduate study in the field.

section 15.11.14.7: Doctor of Philosophy (Ph.D.); Islamic Studies

Students pursuing the Ph.D. in Islamic Studies degree at the Institute normally have a graduate specialization in the Humanities or Social Sciences, preferably in Islamic Studies or Middle Eastern Studies and knowledge of Arabic at the lower intermediate level. Admission to the Ph.D. program will be granted on the basis of the Admissions Committee's opinion that the applicant can successfully fulfill the academic requirements of the program within an appropriate span of time (normally six years). The language component of the degree is demanding; students are required to have knowledge of Arabic, a second Islamic language and a research, usually European, language. Our Institute has been extremely successful in placing its Ph.D. graduates in top-ranking academic jobs in North America. Institute alumni now hold tenured chairs at Harvard, Yale, and Princeton, as well as at leading Canadian universities. Our graduates help to ensure that a plurality of approaches to Islamic civilization is available to the students of today and tomorrow.

section 15.11.14.8: Doctor of Philosophy (Ph.D.); Islamic Studies — Gender and Women’s Studies

This option is an interdisciplinary program for students who wish to specialize in Islamic Studies and earn 9 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The student’s Ph.D. thesis must be on a topic centrally relating to issues of gender and/or women’s studies. Students pursuing the Ph.D. in Islamic Studies degree at the Institute normally have a graduate specialization in the Humanities or Social Sciences, preferably in Islamic Studies or Middle Eastern Studies and knowledge of Arabic at the lower intermediate level. Admission to the Ph.D. program will be granted on the basis of the Admissions Committee's opinion that the applicant can successfully fulfill the academic requirements of the program within an appropriate span of time (normally six years). The language component of the degree is demanding; students are required to have knowledge of Arabic, a second Islamic language and a research, usually European, language. Our Institute has been extremely successful in placing its Ph.D. graduates in top-ranking academic jobs in North America. Institute alumni now hold tenured chairs at Harvard, Yale, and Princeton, as well as at leading Canadian universities. Our graduates help to ensure that a plurality of approaches to Islamic civilization is available to the students of today and tomorrow.

15.11.14.3 Islamic Studies Admission Requirements and Application Procedures

15.11.14.3.1 Admission Requirements

Applicants must have a degree (B.A. or M.A.) from a recognized university, with a minimum cumulative grade point average (CGPA) of 3.0 out of 4 (or equivalent), OR a grade point average (GPA) of 3.2 out of 4 in the last two years of full-time studies, according to Canadian standards. The degree should be in the Humanities or Social Sciences, preferably in Islamic or Middle Eastern Studies.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit acceptable evidence of competence in English before their application for admission can be considered. GRE scores are not required. Please see the Graduate and Postdoctoral Studies website for more information, www.mcgill.ca/gradapplicants/apply.

15.11.14.3.2 Application Procedures

Applications will be considered upon receipt of:

1. McGill University application form;
2. application fee of $100, payable by credit card;
3. two originals of all official university transcripts (B.A. and/or M.A. if applicable);
4. two letters of recommendation for M.A. applications OR three letters of recommendation for Ph.D. applications;
5. proof of English competency (if applicable);
6. Institute of Islamic Studies Academic Information Background form;
7. copy of M.A. thesis for Ph.D. applicants.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. All application documents must be submitted directly to the Chair, Admissions Committee, Institute of Islamic Studies, before the dates for guaranteed consideration.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

15.11.14.4 Islamic Studies Faculty

Director
F. Jamil Ragep

Emeritus and Retired Professors
Sajida S. Alvi; B.A., M.A., Ph.D.(Punj.) (emeritus)
Issa J. Boullata; Ph.D.(Lond.) (emeritus)
Donald P. Little; B.A.(Vanderbilt), M.A.(Stan.), Ph.D.(Calif.) (emeritus)
Eric Ormsby; B.A.(Penn.), M.A.(Princ.), M.L.S.(Rutg.), Ph.D.(Princ.) (retired)
A. Üner Turgay; B.A.(Robert Coll., Istanbul), M.A., Ph.D.(Wisc.) (retired)

Professor
F. Jamil Ragep; B.A., M.A.(Mich.), Ph.D.(Harv.)

Associate Professors
Rula J. Abisaab; B.A.(Amer. U. Beirut), M.A.(Calif. St.), M.Phil., Ph.D.(Yale)
Michelle L. Hartman; B.A.(Col.), D.Phil.(Oxf.)
Laila Parsons; B.A.(Exe.), D.Phil.(Oxf.)
Robert Wisnovsky; B.A.(Yale), M.A., Ph.D.(Princ.)

Assistant Professors
Malek H. Abisaab; B.A.(Lebanese U.), M.A.(CUNY), Ph.D.(Binghamton)
Prashant Keshavmurthy; B.A.(Jawaharlal Nehru Univ.), M.A.(Delhi), Ph.D.(Col.)
Setrag Manoukian; B.A.(Venezia), M.A., Ph.D.(Mich.)
Khalid M. Medani; B.A.(Brown), M.A.(G'town), M.A., Ph.D.(Calif., Berk.)

Faculty Lecturers
Shokry Gohar; B.A.(Cairo)
David Nancekivell; B.A., M.A.(Laval)
Pouneh Shabani-Jadidi; B.A., M.S., Ph.D.(Azad)

15.11.14.5 Master of Arts (M.A.); Islamic Studies (Thesis) (45 credits)

Thesis Courses (24 credits)

<table>
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<tr>
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<td>Thesis Research 2</td>
</tr>
<tr>
<td>ISLA 699</td>
<td>(12)</td>
<td>Thesis Research 3</td>
</tr>
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</table>
Required Course (3 credits)
ISLA 603 (3) Introductory: Research Materials - Islamic Studies

Language Requirement
Students must demonstrate proficiency in Arabic at the second-year level as evidenced by completion of ISLA 522 or by an examination administered by the Institute.

Complementary Courses (18 credits)
3 credit seminar course at the 600- or 700-level.
15 credits of ISLA courses at the 500, 600, or 700 level.
With permission of the Institute, up to 6 credits from other departments at McGill or other educational institutions can be used.

15.11.14.6 Master of Arts (M.A.); Islamic Studies (Thesis) — Gender and Women’s Studies (45 credits)
The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet degree requirements in Islamic Studies (and other participating departments and faculties) who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. The student’s master’s thesis must be on a topic centrally relating to issues of gender or women’s studies.

Required Courses (30 credits)
* Note: Unless exempt. If exempt, another graduate-level course must replace this course.
ISLA 603* (3) Introductory: Research Materials - Islamic Studies
WMST 601 (3) Feminist Theories and Methods

Thesis
ISLA 697 (6) Thesis Research 1
ISLA 698 (6) Thesis Research 2
ISLA 699 (12) Thesis Research 3

Complementary Courses (15 credits)
3 credit of a seminar course at the 600 or 700 level.
3 credits from the following:
WMST 602 (3) Feminist Research Symposium
or a 3-credit course, at the 500 level or higher, in gender/women’s issues.

9 credits of ISLA courses at the 500 level or higher.
With permission of the Institute, up to 3 credits of these 9 credits of Complementary Courses may be chosen from departments at McGill or other educational institutions.

Language Requirement
Students must demonstrate proficiency in Arabic at the second-year level as evidenced by completion of ISLA 522 or by an examination administered by the Institute.

15.11.14.7 Doctor of Philosophy (Ph.D.); Islamic Studies

Thesis
Required Course
ISLA 701 (0) Comprehensive Examination
Complementary Courses (30 credits)

30 credits of courses at the 500 level or higher, including 6 credits at the 600 or 700 level of seminars offered by the Institute of Islamic Studies.

ISLA 603 (3 credits): Intro: Research Materials - Islamic Studies is highly recommended.

* Note: ISLA 521D (9 credits) will not count toward the 30 complementary credits.

With the permission of the Institute, up to 6 credits could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses taken with an IIS faculty member in other departments (i.e., History, Anthropology, Political Science) can count toward the coursework requirements in the same way as ISLA courses.

To avoid over-specialization, a maximum of 9 credits of content courses (i.e., courses that are not primarily devoted to language instruction) can be taken with a single Institute professor.

Language Requirements

All Ph.D. students are required to have completed three years of Arabic language study at the IIS. Students who do not take the third level of Arabic at the Institute may demonstrate their competence by taking a proficiency examination set by the academic staff of the IIS.

In addition to Arabic, all Ph.D. students are required to have completed the equivalent of two years of language study at the IIS of another Islamic language. They may demonstrate competence in this language by taking a proficiency examination set by the academic staff of the IIS. Students are, of course, responsible for whatever higher levels are required for their research.

In addition to English, reading knowledge of one non-Islamic language (usually European) at a level of scholarly competence will be required for the Ph.D. Students must demonstrate their competence in the non-Islamic (usually European) research language by passing the Language Proficiency Examination administered by the Institute.

15.11.148 Doctor of Philosophy (Ph.D.); Islamic Studies — Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Islamic Studies who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's Ph.D. thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Thesis

Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>ISLA 701</td>
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<td>WMST 601</td>
<td>3</td>
</tr>
<tr>
<td>WMST 602</td>
<td>3</td>
</tr>
</tbody>
</table>

Complementary Courses (24 credits)

24 credits of courses at the 500 level or higher, including 6 credits at the 600 or 700 level of seminars offered by the Institute of Islamic Studies (IIS) AND an additional 3 credits in a course with a substantive focus on women and/or gender.

ISLA 603 (3 credits): Introductory: Research Materials - Islamic Studies is highly recommended.

* Note: ISLA 521D will not count toward the 24 credit complementary course requirement.

With the permission of the Institute, up to 6 credits could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses taken with an IIS faculty member in other departments (i.e., History, Anthropology, Political Science) can count toward the coursework requirements in the same way as ISLA courses.

To avoid over-specialization, a maximum of 9 credits of content courses (i.e., courses that are not primarily devoted to language instruction) can be taken with a single Institute professor.

Language Requirements

All Ph.D. students are required to have completed three years of Arabic language study at the IIS. Students who do not take the third level of Arabic at the Institute may demonstrate their competence by taking a proficiency examination set by the academic staff of the IIS.

In addition to Arabic, all Ph.D. students are required to have completed the equivalent of two years of language study at the IIS of another Islamic language. They may demonstrate competence in this language by taking a proficiency examination set by the academic staff of the IIS. Students are, of course, responsible for whatever higher levels are required for their research.

In addition to English, reading knowledge of one non-Islamic research language (usually European) at a level of scholarly competence will be required for the Ph.D. Students must demonstrate their competence in the non-Islamic (usually European) research language by passing the Language Proficiency Examination administered by the Institute.
15.11.15 Italian Studies

15.11.15.1 Location
Department of Italian Studies
688 Sherbrooke Street West, Room 425
Montreal, QC H3A 3R1
Canada
Telephone: 514-398-3953
Fax: 514-398-1748
Email: italian.studies@mcgill.ca
Website: www.mcgill.ca/italian

15.11.15.2 About Italian Studies
The Department’s current areas of expertise and methodological orientations are broadly indicated below. Prospective applicants should also consult individual faculty members’ research profiles on the Departmental website for more detailed information. They are also invited to send research inquiries to individual professors:

A) 19th, 20th, and 21st century narrative;
B) Medieval and Renaissance literature and culture; and
C) Italian cinema from post-World War II neorealism to the present.

These areas are approached from the perspective of:
1. relations with the historical, social, and political contexts;
2. intertextual relations with contemporary and antecedent works and movements in other European literatures and cultures, with a special attention to questions of identity construction;
3. gender issues; and
4. cultural studies.

Master’s Programs
The coursework and the thesis and/or research papers must demonstrate that the student possesses a sound knowledge of the language, is familiar with all periods of Italian literature, and has developed the background and skills necessary to carry out scholarly research.

The regulations concerning the M.A. degree, as stated in the Graduate and Postdoctoral Studies Regulations and Resources publication apply.

section 15.11.15.5: Master of Arts (M.A.); Italian (Thesis) (45 credits)
Students enrolled in the M.A. (thesis) option complete seven 3-credit courses and write an M.A. thesis under the direction of a faculty member.

section 15.11.15.6: Master of Arts (M.A.); Italian (Non-Thesis) (45 credits)
Students enrolled in the M.A. (non-thesis) option complete nine 3-credit courses and two in-depth research papers under the direction of a faculty member.

15.11.15.3 Italian Studies Admission Requirements and Application Procedures
1511.1531 Admission Requirements
The B.A. degree with Honours or Joint Honours in Italian or its equivalent and a CGPA of 3.2 constitute the minimum requirement. Applicants who do not have these prerequisites may be admitted to a Qualifying Year, or, in some cases, to a Qualifying Term.

1511.1532 Application Procedures
Applications will be considered upon receipt of:
1. application form;
2. two certified copies of all university transcripts (all transcripts not in English or French must be accompanied by a certified English or French translation);
3. two letters of recommendation (in English or French);
4. a sample critical essay, written in Italian;
5. applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit a TOEFL. Minimum score of 86, with each component score not less than 20, required on the Internet-based TOEFL examination. Proof of TOEFL must be presented at time of application or shortly thereafter;
6. application fee of $100;
7. statement of academic intent.

Dates for Guaranteed Consideration
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

15.11.15.4 Italian Studies Faculty

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Chair</td>
<td>TBA</td>
</tr>
<tr>
<td>Graduate Director</td>
<td>Lucienna Kroha</td>
</tr>
<tr>
<td>Emeritus Professor</td>
<td>Pamela D. Stewart; B.A.(Montr.), M.A.(McG.), F.R.S.C.</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>Eugenio Bolongaro; B.A., LL.B.(Br. Col.), M.A., Ph.D.(McG.)</td>
</tr>
<tr>
<td></td>
<td>Lucienna Kroha; B.A., M.A.(McG.), Ph.D.(Harv.)</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>Matteo Soranzo; Dott.Lett.(Padua), Ph.D.(Wisc.)</td>
</tr>
</tbody>
</table>

15.11.15.5 Master of Arts (M.A.); Italian (Thesis) (45 credits)

The following courses are required for the Master of Arts (M.A.); Italian (Thesis) program:

**Thesis Courses (24 credits)**
- ITAL 698 Thesis Proposal (6 credits)
- ITAL 699 Thesis (18 credits)

**Required Courses (12 credits)**
- ITAL 602 The Literary Tradition (3 credits)
- ITAL 610 Bibliography of Italian Literature (3 credits)
- ITAL 619 Topics in Literary Theory (3 credits)
- ITAL 680 Research Seminar (3 credits)

**Complementary Courses (9 credits)**
- 9 additional course credits, chosen in consultation with an adviser from among the graduate courses offered by the Department. The three courses should cover three distinct chronological periods in Italian literature.
- A maximum of 6 credits of graduate courses may be taken outside the Italian Studies Department, upon the advice of the Supervisor and with the permission of the Graduate Studies Director.
- In exceptional cases, when program requirements cannot be fulfilled otherwise, students may take ITAL 606 Individual Reading Course 1 and ITAL 607 Individual Reading Course 2 offered as tutorials.
- Typically, the first year of the program will consist of: Literary Theory course, ITAL 610, the three complementary courses and ITAL 698. The second year will include ITAL 602, ITAL 680 and the thesis.

15.11.15.6 Master of Arts (M.A.); Italian (Non-Thesis) (45 credits)

**Research Project (18 credits)**
ITAL 690 (9) Research Paper 1
ITAL 691 (9) Research Paper 2

**Required Courses (12 credits)**

ITAL 602 (3) The Literary Tradition
ITAL 610 (3) Bibliography of Italian Literature
ITAL 619 (3) Topics in Literary Theory
ITAL 680 (3) Research Seminar

**Complementary Courses (15 credits)**

15 additional course credits, chosen in consultation with an adviser from among the graduate courses offered by the Department. The courses should cover at least three distinct chronological periods in Italian literature.

A maximum of 6 credits of graduate courses may be taken outside the Italian Studies Department, upon the advice of the Supervisor and with the permission of the Graduate Studies Director.

In exceptional cases, when program requirements cannot be fulfilled otherwise, students may take ITAL 606 Individual Reading Course 1 and ITAL 607 Individual Reading Course 2 offered as tutorials.

Typically, the first year of the program will consist of: Literary Theory course, ITAL 610, three complementary courses, and ITAL 690. The second year will include ITAL 602, ITAL 680, two complementary courses, and ITAL 691.

15.11.16 Jewish Studies

**15.11.16.1 Location**

Department of Jewish Studies  
3438 McTavish Street, Room 202  
Montreal, QC H3A 1X9  
Canada

Telephone: 514-398-6543  
Fax: 514-398-5158  
Email: graduate.jewishst@mcgill.ca  
Website: www.mcgill.ca/jewishstudies

**15.11.16.2 About Jewish Studies**

The Department of Jewish Studies offers an interdisciplinary approach to the study of Judaica. It welcomes students interested in deepening their knowledge of Jewish history and Jewish texts. Students have the choice of a thesis or non-thesis M.A. in Jewish Studies or a thesis M.A. in the History of Jewish Interpretation of the Bible. An ad hoc Ph.D. is also available. We have particular research and teaching strengths in the following areas: Hebrew Bible and its interpretation, rabbinics and codes, medieval and modern Jewish thought, Eastern European Jewish history, Jewish literature (Hebrew, Yiddish, English), and contemporary North American Jewish life. These areas are broadly construed to accommodate the range of research interests in the Department. Students develop close relationships with their supervisors and benefit from the diverse expertise available in our Department and in the University at large.

While the Thesis option is designed for students undertaking advanced research in one of the areas above, the Non-Thesis option offers a generalist degree in Jewish studies.

**section 15.11.16.5: Master of Arts (M.A.); Jewish Studies (Thesis) (45 credits)**

This option is aimed at students who have acquired a rich background in Jewish studies through their B.A. and who are now ready to focus their study on one period and/or discipline within the broad field of Jewish civilizational studies. Students choosing Eastern European studies, Jewish thought, or Hebrew literature must enter the program with a good command of either Hebrew or Yiddish according to their chosen specialization. The degree is normally completed within two years. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.

**section 15.11.16.5: Master of Arts (M.A.); Jewish Studies (Thesis) (45 credits) – History of the Jewish Interpretation of the Bible**

This option is aimed at students who have acquired a rich background in Bible and Jewish studies through their B.A. and who now wish to study the Bible and its interpretation within Jewish circles at an advanced level. Students choosing this path must enter the program with a good command of Hebrew. The degree is normally completed within two years. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.
Master of Arts (M.A.); Jewish Studies (Non-Thesis) (45 credits)

This option is aimed at students who have acquired some background in Jewish studies through their B.A. and who wish to add to their knowledge without having to concentrate on one period or discipline within the broad field of Jewish civilizational studies. Students may take courses in related disciplines outside of Jewish Studies if appropriate. The degree is normally completed within two years. Students must demonstrate good command of Yiddish or Hebrew prior to graduation. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.

Ph.D. in Jewish Studies

Ad hoc program. Please contact the Department for further information on this option.

Jewish Studies Admission Requirements and Application Procedures

Admission Requirements

Ideally, applicants would have completed a B.A. Honours in Jewish Studies. If an applicant is otherwise deemed acceptable, it is possible to be admitted to a qualifying year. Students seeking admission to History of Jewish Interpretation of the Bible must demonstrate competence in Hebrew prior to beginning the program.

In addition to the appropriate references, transcripts, and examination scores, applicants should send samples of their academic work in their field of interest. Personal interviews are strongly recommended.

Application Procedures

Applications will be considered upon receipt of:

1. McGill University application form;
2. two sets of official university transcripts;
3. research proposal/study plan;
4. curriculum vitae;
5. two original letters of reference;
6. $100 application fee;
7. TOEFL score or IELTS result (if applicable);
8. samples of applicant's academic work.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. Application inquiries should be addressed to the Graduate Coordinator, 514-398-6543. Email: graduate.jewishst@mcgill.ca.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Jewish Studies Faculty

Chair and Graduate Program Director

Eric Caplan

Professors

David Aberbach; B.A.(Univ. Coll., Lond.), M.Litt., Ph.D.(Oxf.)
Gershon Hundert; B.A.(Col.), M.A.(Ohio St.), Ph.D.(Col.) (Leanor Segal Professor of Jewish Studies) (joint appt. with History)
B. Barry Levy; B.A., M.A., B.R.E.(Yeshiva), Ph.D.(NYU)

Associate Professors

Eric Caplan; B.A.(Tor.), M.A.(Hebrew), Ph.D.(McG.) (joint appt. with Integrated Studies in Education)
Carlos Fraenkel; B.A., M.A., Ph.D.(Free Univ., Berlin) (joint appt. with Philosophy)
Yael Halevi-Wise; B.A.(Hebrew), M.A.(G'town), Ph.D.(Princ.) (joint appt. with English)
Lawrence Kaplan; B.A.(Yeshiva), M.A., Ph.D.(Harv.)
Adjunct Professors

Magdalena Opalski; M.A.(Warsaw), Ph.D.(Ott.)

Ruth Wisse; M.A.(Col.), Ph.D.(McG.)

15.11.16.5 Master of Arts (M.A.); Jewish Studies (Thesis) (45 credits)

An M.A. in Jewish Studies (thesis option) is offered in the following areas: History of the Jewish Interpretation of the Bible, Eastern European Jewish History, Jewish Thought, Hebrew Literature, and Modern Jewish Literatures. These areas of specialization are broadly construed to accommodate the range of research interests in the Department. The M.A. can be completed in one year, though most students spend two years in the program.

Note: Students can choose from either the Jewish Studies Stream or History of the Jewish Interpretation of the Bible Stream.

Jewish Studies Stream (45 credits)

Thesis Courses (30 credits)

JWST 695 (9) M.A. Thesis 1
JWST 696 (9) M.A. Thesis 2
JWST 697 (12) M.A. Thesis 3

Required Course (3 credits)

JWST 699 (3) Research in Jewish Studies

Complementary Courses (12 credits)

12 credits of courses at the 500, 600, or 700 level, chosen according to each student's specialization in consultation with the student's thesis adviser.

Language Requirement

Students choosing Eastern European studies, Jewish thought, or Hebrew literature must demonstrate fluency in either Hebrew or Yiddish according to their field of specialization. Mastery is normally determined by an examination administered by the Department.

History of the Jewish Interpretation of the Bible Stream (45 credits)

Thesis Courses (24 credits)

JWST 690 (3) M.A. Thesis 1
JWST 691 (6) M.A. Thesis 2
JWST 692 (12) M.A. Thesis 3
JWST 694 (3) M.A. Thesis 4

Required Courses (6 credits)

JWST 510 (3) Jewish Bible Interpretation 1
JWST 511 (3) Jewish Bible Interpretation 2
JWST 699 (3) Research in Jewish Studies

Complementary Courses (12 credits)

12 credits of courses at the 500, 600, or 700 level, chosen in consultation with the student's thesis adviser.

Language Requirement

In addition to Hebrew, students in the History of the Jewish Interpretation of the Bible stream must master another language in which primary documents in this field have been written; in most cases, this will be Aramaic, but classical Arabic and Greek are also accepted. Mastery is normally determined by an examination administered by the Department.
**Master of Arts (M.A.); Jewish Studies (Non-Thesis) (45 credits)**

All students pursuing this option must take JWST 699. The remaining credits will normally include 15 credits in two of the following areas and 12 credits in the third: Jewish Thought, Jewish History, and Jewish Literature. The substitution of credits in related disciplines outside of Jewish Studies may be permitted if appropriate. The coursework will be adjusted to the applicant's academic background.

### Required Course (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>JWST 699</td>
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<td>Research in Jewish Studies</td>
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### Complementary Courses (42 credits)

Students will normally take 15 credits in two of the following areas and 12 credits in the third.

#### Jewish Thought (12-15 credits)

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<tr>
<td>JWST 504</td>
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<td>Seminar in Jewish Thought</td>
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<tr>
<td>JWST 510</td>
<td>3</td>
<td>Jewish Bible Interpretation 1</td>
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<tr>
<td>JWST 511</td>
<td>3</td>
<td>Jewish Bible Interpretation 2</td>
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<td>JWST 542</td>
<td>3</td>
<td>Abraham Ibn Ezra as Parshah</td>
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<td>JWST 543</td>
<td>3</td>
<td>Maimonides as Parshah</td>
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<td>JWST 544</td>
<td>3</td>
<td>Nachmanides as Parshah</td>
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<td>JWST 555</td>
<td>3</td>
<td>The Bible in Jewish Philosophy</td>
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<tr>
<td>JWST 556</td>
<td>3</td>
<td>Modern Parshanut 1</td>
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<td>JWST 558</td>
<td>3</td>
<td>Topics: Modern Jewish Thought</td>
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<td>JWST 604</td>
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<td>Topics: In Jewish Thought</td>
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<tr>
<td>JWST 661</td>
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<td>Study of a Biblical Character</td>
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#### Jewish History (12-15 credits)

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<tr>
<td>HIST 655</td>
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<td>Tutorial</td>
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<td>HIST 677D1</td>
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<td>Seminar: European Jewish History</td>
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<td>HIST 677D2</td>
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<td>Seminar: European Jewish History</td>
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<td>JWST 585</td>
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<td>Tutorial: Eastern European Studies 1</td>
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<td>JWST 586</td>
<td>3</td>
<td>Tutorial: Eastern European Studies 2</td>
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<tr>
<td>JWST 602</td>
<td>3</td>
<td>East European Jewish History 1</td>
</tr>
<tr>
<td>JWST 603</td>
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#### Jewish Literature (12-15 credits)

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<tr>
<td>JWST 502</td>
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<td>Modern Israeli Literature</td>
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<tr>
<td>JWST 510</td>
<td>3</td>
<td>Jewish Bible Interpretation 1</td>
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<td>JWST 511</td>
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<td>JWST 520</td>
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<td>Bible Interpretation in Antiquity</td>
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<td>JWST 521</td>
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<td>Bible in Dead Sea Scrolls</td>
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<td>JWST 530</td>
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<td>Topics in Yiddish Literature</td>
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<td>JWST 532</td>
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<td>Narrative Midrash</td>
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<td>JWST 533</td>
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<td>Halakhic Midrash</td>
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</table>
15.11.17 Linguistics

15.11.17.1 Location

Department of Linguistics
1085 Dr. Penfield Avenue
Montreal, QC H3A 1A7
Canada

Telephone: 514-398-4222
Fax: 514-398-7088
Email: gradprogram.linguistics@mcgill.ca
Website: www.mcgill.ca/linguistics

15.11.17.2 About Linguistics

The aim of the graduate program in Linguistics at McGill is to train researchers in core areas of theoretical linguistics (phonetics, phonology, morphology, syntax, semantics, pragmatics) as well as experimental linguistics. Research in experimental areas deals with theoretical questions in light of evidence from another domain (language acquisition, neurolinguistics, processing, language variation and change is one sub-field of Linguistics). Students have access to a rich research landscape in cognitive science; for example, most members of the Department are associated with the Centre for Research on Language, Mind and Brain (CRLMB). The Department has two labs for conducting experiments, each fitted with a sound-proof booth. Members of the Department also have access to other facilities through the CRLMB. We normally fund all full-time graduate students in good standing; our funding package covers living expenses, tuition, and fees. M.A. students are funded for one year and eight months, and Ph.D. students for five years.
**section 15.11.17.5: Master of Arts (M.A.); Linguistics (Non-Thesis) (45 credits)**

We offer an M.A. (non-thesis) degree in Linguistics. The M.A. involves intensive coursework in year 1, followed by additional coursework and completion of a major research paper in year 2. This program is intended for students who wish to gain coursework and research experience in Linguistics beyond the B.A. level. After completion of the M.A., students may choose to continue on to a Ph.D. or pursue a career in a related field.

**section 15.11.17.6: Doctor of Philosophy (Ph.D.); Linguistics**

We offer a Ph.D. degree in Linguistics. We offer two streams at the Ph.D. level: theoretical and experimental. The Ph.D. degree involves intensive coursework in year 1, additional coursework and completion of two evaluation papers in years 2 and 3, and thesis research and writing in years 4 and 5. This program is principally intended for students who wish to pursue a career in academia.

**section 15.11.17.7: Doctor of Philosophy (Ph.D.); Linguistics — Language Acquisition**

The LAP is a cross-disciplinary option available to Ph.D. students in Communication Sciences and Disorders, Linguistics, Psychology, and Second Language Education who intend to pursue graduate studies in language acquisition. In addition to meeting the degree requirements for Linguistics, students must complete four interdisciplinary LAP seminars, two graduate-level courses in language acquisition (one from outside the student’s home department), a course in statistics, and they must have a faculty member from outside their home department on their thesis committee. Information about this option is available from the Department and on the following website: [http://ego.psych.mcgill.ca/rap.html](http://ego.psych.mcgill.ca/rap.html).

### 15.11.17.3 Linguistics Admission Requirements and Application Procedures

**15.11.17.3.1 Admission Requirements**

Applicants to the M.A. or Ph.D. should have completed a B.A. with a specialization in linguistics. Applications are also invited from students with a background in other disciplines. Strong candidates who do not satisfy all requirements may be required to take additional undergraduate courses or may be admitted to a Qualifying Program which permits them to make up the gaps in their background.

**15.11.17.3.2 Application Procedures**

Applications will be considered upon receipt of:

1. application form;
2. transcripts;
3. letters of reference;
4. statement of purpose;
5. writing sample;
6. test results for international students: TOEFL (Competency in English section in the [Graduate and Postdoctoral Studies General Information, Regulations and Research Guidelines available at](http://www.mcgill.ca/study);
7. application fee of $100.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

McGill’s online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

### 15.11.17.4 Linguistics Faculty

**Chair**

Bernhard Schwarz

**Emeritus Professors**

C.D. Ellis; B.A.(Camb. & McG.), M.A.(Tor. & Yale), Ph.D.(McG.)
M. Gopnik; M.A., Ph.D.(Penn.)
M. Paradis; B.A.(Montr.), M.A., Ph.D.(McG.), Ph.D.(Montr.)
G.L. Piggott; B.A.(W.I.), M.A., Ph.D.(Tor.)

**Professors**

Y. Grodzinsky; B.Sc.(Hebrew), Ph.D.(Brandeis) ([Canada Research Chair](http://www.mcgill.ca/gradapplicants/apply))
L. de M. Travis; B.A.(Yale), Ph.D.(MIT)
### Professors

L. White; M.A.(Camb.), Ph.D.(McG.) (*James McGill Professor*)

### Associate Professors

C. Boberg; B.A.(Alta.), Ph.D.(Penn.)

H.M. Goad; B.A.(Br. Col.), M.A., Ph.D.(USC)

B. Schwarz; M.A.(Tubingen), Ph.D.(Mass.)

### Assistant Professors

L. Alonso-Ovalle; B.A.(Oviedo), M.A., Ph.D.(Mass.)

M. Clayards; B.Sc.(Vic., BC), M.A., Ph.D.(Roch.)

J. Shimoyama; B.A., M.A.(Ochanomizu Uni.), Ph.D.(Mass.)

M. Wagner; M.A.(Humboldt), Ph.D.(MIT)

### 15.11.17.5 Master of Arts (M.A.); Linguistics (Non-Thesis) (45 credits)

#### Research Project (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 607</td>
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<td>M.A. Research Paper</td>
</tr>
</tbody>
</table>

#### Required Courses (15 credits)

<table>
<thead>
<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>LING 601</td>
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</tr>
<tr>
<td>LING 602</td>
<td>3</td>
<td>M.A. Research Seminar 2</td>
</tr>
<tr>
<td>LING 631</td>
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<td>Phonology 3</td>
</tr>
<tr>
<td>LING 660</td>
<td>3</td>
<td>Semantics 3</td>
</tr>
<tr>
<td>LING 671</td>
<td>3</td>
<td>Syntax 3</td>
</tr>
</tbody>
</table>

#### Complementary Courses (15 credits)

12-15 credits in Linguistics at the 500, 600, or 700 level.
0-3 credits in a related field at the 500, 600, or 700 level.

### 15.11.17.6 Doctor of Philosophy (Ph.D.); Linguistics

Note: Students can select between the Theory Stream or the Experimental Stream.

#### Thesis

##### Required Courses (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
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<tr>
<td>LING 615</td>
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<td>Logic for Semantics</td>
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<tr>
<td>LING 619</td>
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<td>LING 631</td>
<td>3</td>
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<tr>
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<tr>
<td>LING 671</td>
<td>3</td>
<td>Syntax 3</td>
</tr>
<tr>
<td>LING 701</td>
<td>3</td>
<td>Ph.D. Research Seminar 1</td>
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<tr>
<td>LING 702</td>
<td>3</td>
<td>Ph.D. Research Seminar 2</td>
</tr>
<tr>
<td>LING 706</td>
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<td>Ph.D. Evaluation 1</td>
</tr>
<tr>
<td>LING 707</td>
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<td>Ph.D. Evaluation 2</td>
</tr>
</tbody>
</table>
Note: LING 706 and LING 707 must be completed before proceeding to thesis research.

**Complementary Courses (18 credits)**

3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 520</td>
<td>(3)</td>
<td>Sociolinguistics 2</td>
</tr>
<tr>
<td>LING 521</td>
<td>(3)</td>
<td>Dialectology</td>
</tr>
<tr>
<td>LING 555</td>
<td>(3)</td>
<td>Language Acquisition 2</td>
</tr>
<tr>
<td>LING 590</td>
<td>(3)</td>
<td>Language Acquisition and Breakdown</td>
</tr>
<tr>
<td>LING 651</td>
<td>(3)</td>
<td>Topics in Acquisition of Phonology</td>
</tr>
<tr>
<td>LING 655</td>
<td>(3)</td>
<td>Theory of L2 Acquisition</td>
</tr>
<tr>
<td>LING 690</td>
<td>(3)</td>
<td>Seminar in Neurolinguistics</td>
</tr>
<tr>
<td>LING 720</td>
<td>(3)</td>
<td>Advanced Seminar in Sociolinguistics</td>
</tr>
<tr>
<td>LING 755</td>
<td>(3)</td>
<td>Advanced Seminar: Language Acquisition</td>
</tr>
<tr>
<td>LING 790</td>
<td>(3)</td>
<td>Advanced Seminar in Neurolinguistics</td>
</tr>
</tbody>
</table>

6 additional credits at the 500, 600, or 700 level at least one in the student's intended research area.

Note: Students intending to specialize in semantics must take the following course:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 661</td>
<td>(3)</td>
<td>Advanced Formal Methods</td>
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</table>

9 additional credits from one of the following streams:

**Theory Stream:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 635</td>
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<td>Phonology 4</td>
</tr>
<tr>
<td>LING 665</td>
<td>(3)</td>
<td>Semantics 4</td>
</tr>
<tr>
<td>LING 675</td>
<td>(3)</td>
<td>Syntax 4</td>
</tr>
</tbody>
</table>

**Experimental Stream:**

3 credits in statistics at the 500, 600, or 700 level and 6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LING 635</td>
<td>(3)</td>
<td>Phonology 4</td>
</tr>
<tr>
<td>LING 665</td>
<td>(3)</td>
<td>Semantics 4</td>
</tr>
<tr>
<td>LING 675</td>
<td>(3)</td>
<td>Syntax 4</td>
</tr>
</tbody>
</table>

15.11.17.7 Doctor of Philosophy (Ph.D.); Linguistics — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Linguistics. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

**Thesis**

**Required Courses (29 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 711</td>
<td>(2)</td>
<td>Language Acquisition Issues 3</td>
</tr>
<tr>
<td>LING 615</td>
<td>(3)</td>
<td>Logic for Semantics</td>
</tr>
<tr>
<td>LING 619</td>
<td>(3)</td>
<td>Experimental Foundations</td>
</tr>
<tr>
<td>LING 631</td>
<td>(3)</td>
<td>Phonology 3</td>
</tr>
<tr>
<td>LING 660</td>
<td>(3)</td>
<td>Semantics 3</td>
</tr>
</tbody>
</table>
LING 671 (3) Syntax 3
LING 701 (3) Ph.D. Research Seminar 1
LING 702 (3) Ph.D. Research Seminar 2
LING 706 (0) Ph.D. Evaluation 1
LING 707 (0) Ph.D. Evaluation 2
LING 710 (2) Language Acquisition Issues 2
PSYC 709 (2) Language Acquisition Issues 1
SCSD 712 (2) Language Acquisition Issues 4

Note: LING 706 and LING 707 must be completed before proceeding to thesis research.

Complementary Courses (9 credits)

3 credits of graduate-level statistics from courses such as: EDPE 676, EDPE 682, PSYC 650, PSYC 651; students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

At least 6 credits selected from the following list; at least one course must be outside the Department of Linguistics:

EDSL 620 (3) Critical Issues in Second Language Education
EDSL 623 (3) Second Language Learning
EDSL 624 (3) Educational Sociolinguistics
EDSL 627 (3) Classroom-Centred Second Language Research
EDSL 629 (3) Second Language Assessment
EDSL 632 (3) Second Language Literacy Development
EDSL 664 (3) Second Language Research Methods
LING 555 (3) Language Acquisition 2
LING 590 (3) Language Acquisition and Breakdown
LING 651 (3) Topics in Acquisition of Phonology
LING 655 (3) Theory of L2 Acquisition
LING 755 (3) Advanced Seminar: Language Acquisition
PSYC 561 (3) Methods: Developmental Psycholinguistics
PSYC 734 (3) Developmental Psychology and Language
PSYC 735 (3) Developmental Psychology and Language
PSYC 736 (3) Developmental Psychology and Language
PSYC 737 (3) Developmental Psychology and Language
SCSD 619 (3) Phonological Development
SCSD 632 (3) Phonological Disorders: Children
SCSD 633 (3) Language Development
SCSD 637 (3) Developmental Language Disorders 1
SCSD 643 (3) Developmental Language Disorders 2
SCSD 652 (3) Advanced Research Seminar 1
SCSD 653 (3) Advanced Research Seminar 2
15.11.18 Mathematics and Statistics

15.11.18.1 Location

Department of Mathematics and Statistics
Burnside Hall, Room 1005
805 Sherbrooke Street West
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-3800
Fax: 514-398-3899
Email: grad.mathstat@mcgill.ca
Website: www.math.mcgill.ca

15.11.18.2 About Mathematics and Statistics

The Department of Mathematics and Statistics offers programs which can be focused on applied mathematics, pure mathematics, and statistics leading to master’s degrees (M.A. or M.Sc.), with program options in Bioinformatics and in CSE (Computational Science and Engineering). The research groups are: Algebra Category, Theory and Logic, Geometric Group Theory, Algebraic Geometry, Discrete Mathematics, Mathematical Physics, Analysis and its Applications, Differential Geometry, Number Theory, Applied Mathematics, Differential Equations, and Probability & Statistics. In the basic master's programs students must choose between the Thesis option and the Non-Thesis option, which requires a project. The Bioinformatics and CSE options require a thesis. In addition to the Ph.D. program in Mathematics and Statistics, there is a Ph.D. option in Bioinformatics.

The Department website (www.math.mcgill.ca) provides extensive information on the Department and its facilities, including the research activities and the research interests of individual faculty members. It also provides detailed information, supplementary to the calendar, concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the website (www.math.uqam.ca/ISM) of the Institut des Sciences Mathématiques (ISM), which coordinates intermediate and advanced-level graduate courses among Montreal and Quebec universities. A list of courses available under the ISM auspices can be obtained from the ISM website. The ISM also offers fellowships and promotes a variety of joint academic activities greatly enhancing the mathematical environment in Montreal and in the province of Quebec.

Faculty of Arts > Academic Programs > Mathematics and Statistics > section 15.11.18.5: Master of Arts (M.A.); Mathematics and Statistics (Thesis) (45 credits)

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The Thesis option requires a thesis (24 credits) and six approved courses of 3 or more credits each for a total of at least 21 credits.

Faculty of Arts > Academic Programs > Mathematics and Statistics > section 15.11.18.6: Master of Arts (M.A.); Mathematics and Statistics (Non-Thesis) (45 credits)

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The Non-Thesis option requires a project (16 credits) and eight approved courses of 3 or more credits each for a total of at least 29 credits.

Faculty of Science > Academic Programs > Mathematics and Statistics > section 27.11.7.5: Master of Science (M.Sc.); Mathematics and Statistics (Thesis) (45 credits)

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.Sc.). The Thesis option requires a thesis (24 credits) and six approved courses of 3 or more credits each for a total of at least 21 credits.

Faculty of Science > Academic Programs > Mathematics and Statistics > section 27.11.7.6: Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Bioinformatics (48 credits)

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field.
Faculty of Science > Academic Programs > Mathematics and Statistics > section 27.11.18.7: Doctor of Philosophy (Ph.D.); Mathematics and Statistics

The Department offers a course of studies leading to the Ph.D. degree. It differs substantially from the master’s programs in that the student must write a thesis which makes an original contribution to knowledge. The thesis topic is chosen by the student in consultation with the research supervisor. The thesis must be examined and approved by an internal examiner (normally the research supervisor), an external examiner and the Oral Examination Committee. The student must make an oral defense of the thesis before that Committee. In addition, the student has to pass comprehensive examinations.

section 15.11.18.8: Doctor of Philosophy (Ph.D.); Mathematics and Statistics — Bioinformatics

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field and have the capability of developing an independent Bioinformatics research program.

15.11.18.3 Mathematics and Statistics Admission Requirements and Application Procedures

15.11.18.3.1 Admission Requirements

In addition to the general Graduate and Postdoctoral Studies requirements, the Department requirements are as follows:

Master’s Degree

The normal entrance requirement for the master’s programs is a Canadian Honours degree or its equivalent, with high standing, in mathematics, or a closely related discipline in the case of applicants intending to concentrate in statistics or applied mathematics.

Applicants wishing to concentrate in pure mathematics should have a strong background in linear algebra, abstract algebra, and real and complex analysis.

Applicants wishing to concentrate in statistics should have a strong background in linear algebra and basic real analysis. A calculus-based course in probability and one in statistics are required, as well as some knowledge of computer programming. Some knowledge of numerical analysis and optimization is desirable.

Applicants wishing to concentrate in applied mathematics should have a strong background in most of the areas of linear algebra, analysis, differential equations, discrete mathematics, and numerical analysis. Some knowledge of computer programming is also desirable.

Students whose preparation is insufficient for the program they wish to enter may, exceptionally, be admitted to a Qualifying Year.

Ph.D. Degree

A master’s degree with high standing is required, in addition to the requirements listed above for the master’s program. Students may transfer directly from the master’s program to the Ph.D. program under certain conditions. Students without a master's degree, but with exceptionally strong undergraduate training, may be admitted directly to Ph.D. 1.

15.11.18.3.2 Application Procedures

Online application is preferred and is available at www.mcgill.ca/gradapplicants/apply. Applicants unable to apply online can request a paper or PDF form from the Department.

Applications will be considered upon receipt of:

1. application form;
2. $100 application fee;
3. two official or certified copies of transcripts;
4. two letters of reference on letterhead with original signatures;
5. one page statement outlining research interests and identifying possible supervisor;
6. TOEFL/IELTS test results (if applicable);
7. applicants in pure and applied mathematics should provide a GRE score report, if available.
For more details, especially concerning items 6 and 7, please consult the website at www.math.mcgill.ca/students/graduate/application. All information is to be submitted directly to the Graduate Program Coordinator in the Department of Mathematics and Statistics.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

### 15.11.18.4 Mathematics and Statistics Faculty

**Chair**

Jacques Hurtubise

**Graduate Program Director**

Pengfei Guan

**Emeritus Professors**

Michael Barr; A.B., Ph.D.(Penn.) (*Peter Redpath Emeritus Professor of Pure Mathematics*)
William G. Brown; B.A.(Tor.), M.A.(Col.), Ph.D.(Tor.)
Marta Bunge; M.A., Ph.D.(Penn.)
Jal R. Choksi; B.A.(Cant.), Ph.D.(Manc.)
Kohur N. GowriSankaran; B.A., M.A.(Madr.), Ph.D.(Bom.)
Joachim Lambek; M.Sc., Ph.D.(McG.), F.R.S.C. (*Peter Redpath Emeritus Professor of Pure Mathematics*)
Michael Makkai; M.A., Ph.D.(Bud.) (*Peter Redpath Professor of Pure Mathematics*)
Sherwin Maslowe; B.Sc.(Wayne St.), M.Sc., Ph.D.(Calif.)
Arak M. Mathai; M.Sc.(Kerala), M.A., Ph.D.(Tor.)
William O.J. Moser; B.Sc.(Manit.), M.A.(Minn.), Ph.D.(Tor.)
Karl Peter Russell; Vor.Dip.(Hamburg), Ph.D.(Calif.)
Georg Schmidt; B.Sc.(Natal), M.Sc.(S. Af.), Ph.D.(Stan.)
Vanamamalai Seshadri; B.Sc., M.Sc., Ph.D.(Okl.)
George H. Styan; M.A., Ph.D.(Col.)
John C. Taylor; B.Sc.(Acad.), M.A.(Qu.), Ph.D.(McM.)

**Professors**

William J. Anderson; B.Eng., Ph.D.(McG.)
Henri Darmon; B.Sc.(McG.), Ph.D.(Harv.), F.R.S.C. (*James McGill Professor*)
Stephen W. Drury; M.A., Ph.D.(Cant.)
Christian Genest; BSp.Sc.(UQAC), M.Sc.(Vermont), Ph.D.(Br. Col.)
Eyal Z. Goren; B.A., M.S., Ph.D.(Hebrew)
Pengfei Guan; B.Sc.(Zhejiang), M.Sc., Ph.D.(Princ.) (*Canada Research Chair*)
Jacques C. Hurtubise; B.Sc.(Montr.), D.Phil.(Oxf.) F.R.S.C.
Dmitry Jakobson; B.Sc.(MIT), Ph.D.(Princ.) (*William Dawson Scholar*)
Vojkan Jaksic; B.S.(Belgrade), Ph.D.(Calif. Tech.)
Niky Kamran; B.Sc., M.Sc.(Bruxelles), Ph.D.(Wat.), F.R.S.C. (*James McGill Professor*)
Olga Kharlampovich; M.A.(URAL St.), Ph.D.(Lenin.), Dr. of Sc.(Steklov Inst.)
Charles Roth; M.Sc.(McG.), Ph.D.(Hebrew)
F. Bruce Shepherd; B.Sc.(Vic., Tor.), M.Sc., Ph.D.(Wat.) (*James McGill Professor*)
David A. Stephens; B.Sc., Ph.D.(Nott.)
### Professors

John A. Toth; B.Sc., M.Sc. (McM.), Ph.D. (MIT) (*William Dawson Scholar*)

Daniel T. Wise; B.A. (Yeshiva), Ph.D. (Princ.)

David Wolfson; B.Sc., M.Sc. (Natal), Ph.D. (Purd.)

Jian-Ju Xu; B.Sc., M.Sc. (Beijing), M.Sc., Ph.D. (Rensselaer Poly.)

### Assistant Professors

Louigi Addario-Berry; B.Sc., M.Sc., Ph.D. (McG.)

Jayce Getz; A.B. (Harv.), Ph.D. (Wisc.)

Abbas Khalili; Ph.D. (Wat.)

Jean-Christophe Nave; B.Sc., Ph.D. (Calif., Santa Barbara)

Johanna Neslehova; B.Sc., M.Sc. (Hamburg), Ph.D. (Oldenburg)

Gantumur Tsogtgerel; Ph.D. (Utrecht)

Johannes Walcher; Dip, Ph.D. (ETH Zurich)

### Associate Professors

Masoud Asgharian; B.Sc. (Shahid Beheshti), M.Sc., Ph.D. (McG)

Peter Bartello; B.Sc. (Tor.), M.Sc., Ph.D. (McG.) (*joint appt. with Atmospheric and Oceanic Sciences*)

Rustum Choksi; B.Sc. (Tor.) S.M., Ph.D. (Brown)

Antony R. Humphries; B.A., M.A. (Camb.), Ph.D. (Bath)

Wilbur Jonsson; M.Sc. (Manit.), Dr.Rer.Nat. (Tübingen)

Ivo Klemes; B.Sc. (Tor.), Ph.D. (Calif. Tech.)

James G. Loveys; B.A. (St. Mary’s), M.Sc., Ph.D. (S. Fraser)

Neville G.F. Sancho; B.Sc., Ph.D. (Belf.)

Robert Seiringer; Dip, Ph.D. (Vienna)

Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.)

Alain Vandal; B.Sc., M.Sc. (McG.), Ph.D. (Auck.)

Adrian Vetta; B.Sc., M.Sc. (LSE), Ph.D. (MIT) (*joint appt. with Computer Science*)

### Associate Members


### Adjunct Professors

Vasek Chvatal; Ph.D. (Wat.)

Donald A. Dawson; B.Sc., M.Sc. (McG.), Ph.D. (MIT)

Martin Gander; M.S. (ETH Zurich), M.S., Ph.D. (Stan.)

Andrew Granville; B.A., CASM (Camb.), Ph.D. (Qu.)

Adrian Iovita; B.S. (Bucharest), Ph.D. (Boston)

Ming Mei; B.Sc., M.Sc. (Jiangxi Normal Uni.), Ph.D. (Kanazawa)

Alexei Miasnikov; M.Sc. (Novosibirsk), Ph.D., Dr. of Sc. (Lenin.)

M. Ram Murty; B.Sc. (Car.), Ph.D. (MIT), F.R.S.C.

Vladimir Remeslennikov; M.Sc. (Perm, Russia), Ph.D. (Novosibirsk)
Adjunct Professors
Robert A. Seely; B.Sc.(McG.), Ph.D.(Cant.)

Faculty Lecturers
José A. Correa; M.Sc.(Wat.), Ph.D.(Car.)
H. Hahn; Ph.D.(Ill.-Urbana-Champaign)
Axel Hundemer; M.Sc., Ph.D.(Munich)
Armel Djivede Kelome; M.Sc.(Benin), M.Sc.(McG.), Ph.D.(Georgia Tech.)

15.11.18.5 Master of Arts (M.A.); Mathematics and Statistics (Thesis) (45 credits)

Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>MATH 600</td>
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<tr>
<td>MATH 601</td>
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<td>Master's Thesis Research 2</td>
</tr>
<tr>
<td>MATH 604</td>
<td>6</td>
<td>Master's Thesis Research 3</td>
</tr>
<tr>
<td>MATH 605</td>
<td>6</td>
<td>Master's Thesis Research 4</td>
</tr>
</tbody>
</table>

Complementary Courses (21 credits)
At least 6 approved graduate courses, at the 500, 600 or 700 level, of 3 credits or more each.

15.11.18.6 Master of Arts (M.A.); Mathematics and Statistics (Non-Thesis) (45 credits)

Research Project (16 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>MATH 640</td>
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</tr>
<tr>
<td>MATH 641</td>
<td>8</td>
<td>Project 2</td>
</tr>
</tbody>
</table>

Complementary Courses (29 credits)
At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

15.11.18.7 Doctor of Philosophy (Ph.D.); Mathematics and Statistics

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>MATH 700</td>
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<td>Ph.D. Preliminary Examination Part A</td>
</tr>
<tr>
<td>MATH 701</td>
<td>0</td>
<td>Ph.D. Preliminary Examination Part B</td>
</tr>
</tbody>
</table>

Complementary Courses
Twelve approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

15.11.18.8 Doctor of Philosophy (Ph.D.); Mathematics and Statistics — Bioinformatics

Thesis

Required Courses (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>MATH 700</td>
<td>0</td>
<td>Ph.D. Preliminary Examination Part A</td>
</tr>
</tbody>
</table>
Ph.D. Preliminary Examination Part B

Complementary Courses (6 credits)

(3-6 credits)
The twelve one-semester complementary courses for the Ph.D. degree must include at least two from the list below, unless a student has completed the M.Sc.-level option in Bioinformatics, in which case only one course from the list below must be chosen:

- BINF 621 (3) Bioinformatics: Molecular Biology
- BMDE 652 (3) Bioinformatics: Proteomics
- BTEC 555 (3) Structural Bioinformatics
- COMP 618 (3) Bioinformatics: Functional Genomics
- PHGY 603 (3) Systems Biology and Biophysics

15.11.19 Philosophy

15.11.19.1 Location

Department of Philosophy
Leacock Building, Room 908
855 Sherbrooke Street West
Montreal, QC H3A 2T7
Canada

Telephone: 514-398-6060
Fax: 514-398-7148
Email: info.philosophy@mcgill.ca
Website: www.mcgill.ca/philosophy

15.11.19.2 About Philosophy

The Department of Philosophy has particular strength in the following areas: Ancient Philosophy; Early Modern Philosophy; Kant and post-Kantian German Philosophy; Philosophy of Language and Philosophy of Mind; Aesthetics; Moral and Political Philosophy; Feminist Philosophy; History and Philosophy of Science and Mathematics; Contemporary European Philosophy.

The Department offers assistance to students in every aspect of placement. Our Placement Officer counsels students about coursework and areas of competence, helps to establish evidence of teaching ability, administers the dossier for job applications, and provides advice and follow-up in the interview process. Many of our graduates have gone on to do postdoctoral research and over 80% are now in tenure track or sessional appointments.

The Department offers courses of study leading to the Ph.D. in Philosophy. It also offers, in conjunction with the Biomedical Ethics Unit, a course of study leading to the M.A. degree in Bioethics.

Students with an adequate undergraduate training in philosophy should apply for admission to the Ph.D. program at the Ph.D. I level. Students who hold an M.A. degree in Philosophy, or equivalent, from another institution should apply for admission to the Ph.D. program at the Ph.D. II level. Students entering the Ph.D. program (at Ph.D. I or Ph.D. II) will be required to complete two years of coursework. (NB: At present, we do not normally consider applicants for an M.A. in Philosophy, with the exception of the specialty M.A. in Bio-Medical Ethics). The Department considers an adequate undergraduate training in philosophy to be one that furnishes a student with:

1. A general knowledge of the history of Western Philosophy: Greek, Medieval, and Modern.
2. A systematic knowledge of the main philosophical disciplines in their contemporary as well as historical contexts: logic, ethics, epistemology, and metaphysics.
3. An ability to present, in written form, clear and substantial reconstructions and analyses of the materials normally studied in the areas mentioned in 1. and 2.

Ph.D. Program

By December 15 of their third year in the program (Ph.D. 3) for students admitted at Ph.D. 1 and August 15 in their second year in the program (Ph.D. 3) for students admitted at Ph.D. 2, students must submit a research paper (the “candidacy paper” [3 credits]), which may be worked up from a paper written to fulfill the requirements of a graduate course, to a Thesis Advancement Committee consisting of at least two members of the staff of the Department. The membership of this committee will be determined by the Graduate Director in consultation with the student; it is anticipated that members of this committee would, in principle, direct the student's thesis. This committee assigns a grade to the student's paper and reviews her or his graduate performance; on the basis of its assessment and review, it recommends to the Department as a whole either to permit the student to continue with the Ph.D. program and undertake a thesis or to decline to permit the student to continue. Two necessary conditions for a positive recommendation are that the student (a) receive a grade of
at least B+ on the candidacy paper, and (b) have at least a 3.5 GPA (on the undergraduate Grade Point scale) in the coursework required for the program. The Department as a whole, taking into account the Thesis Advancement Committee's recommendation and the student's overall academic record in the program, decides whether to permit the student to continue. Students who do not receive a positive recommendation but who satisfy Graduate and Postdoctoral Studies requirements (no courses below a B- and completion of 45 credits) will be recommended to Graduate and Postdoctoral Studies by the Department to transfer from the Ph.D. program to the M.A. program.

Graduate students are expected to continue to contribute to the intellectual life of the Department after being promoted to candidacy. They can do so by participating in reading and discussion groups and, most of all, by auditing seminars both within and without their areas of specialty.

section 15.11.19.5: Master of Arts (M.A.); Philosophy (Thesis) — Bioethics (45 credits)

The Master's in Bioethics is an interdisciplinary academic program that emphasizes both the conceptual and the practical aspects of bioethics. Ordinarily, it takes at least two years to complete, although some students have completed it in 18 months. The first year is devoted to coursework (including a clinical practicum), and the second year is devoted to a master's thesis on a topic in bioethics that also satisfies the requirements of the base discipline. The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics Unit, bioethics courses (6 credit minimum) offered by the base faculty or department, and any graduate course required or accepted by a base faculty for the granting of a master's degree, for a total of 21 credits. A minimum of 45 credits is required, including the thesis. Students graduate with a master's degree from the faculty of their base discipline (M.A., M.Sc., or LL.M.) with a specialization in bioethics.

section 15.11.19.6: Doctor of Philosophy (Ph.D.); Philosophy

The program is intended for students with a B.A. or M.A. in Philosophy, though some exceptions may be possible. It is a pluralist Department with an excellent professor-to-student ratio, strong preparation for dissertation work, and guaranteed full funding for four years for all admitted Ph.D. students.

section 15.11.19.7: Doctor of Philosophy (Ph.D.); Philosophy — Environment

The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking. Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

section 15.11.19.8: Doctor of Philosophy (Ph.D.); Philosophy — Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Philosophy who wish to earn 9 additional credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

15.11.19.3 Philosophy Admission Requirements and Application Procedures

1511.1931 Admission Requirements

Ph.D.

Students with an Honours B.A. degree in philosophy, or the equivalent, are normally admitted to the Ph.D. program directly at the Ph.D. 1 level. The Department considers an Honours B.A. degree to include:

1. A general knowledge of the history of Western philosophy: Greek, Medieval, Modern
2. A systematic knowledge of the main philosophical disciplines in their contemporary as well as historical contexts: logic, ethics, epistemology, and metaphysics
3. An ability to present, in written form, clear and substantial reconstructions and analyses of the materials normally studied in the areas mentioned in (1) and (2)

To demonstrate their competence in these areas, applicants must submit transcripts of academic work, three letters of recommendation from persons with whom they have studied, and at least one substantial example (approximately 15-20 typewritten pages) of their written philosophical work.

In addition, applicants from North America whose first language is English are strongly encouraged to submit scores of the Graduate Record Examination. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English (TOEFL score).

Students who hold an M.A. degree from another institution should apply for admission at the Ph.D. 2 level.

M.A. (Bioethics)

Students applying to the Bioethics Specialty program must write an M.A. thesis proposal. All applications to this program must also receive the approval of the Director of the Specialty program. Students who apply for this program should note that they must participate in a practicum which continues beyond the end of their second term of classes.

1511.1932 Application Procedures

Ph.D.
The Department considers admissions for the Fall term only. We are not willing to consider any applications to be admitted for the Winter/Summer term.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

The online application form is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Applications will be considered complete upon receipt of:

1. application form;
2. $100 fee;
3. two (2) official transcripts of all post-secondary studies;
4. three (3) original letters of reference;
5. test results (GRE, TOEFL);
6. writing sample;
7. statement of intent.

All supporting documents are to be submitted to the Department of Philosophy.

### 15.11.19.4 Philosophy Faculty

#### Chair

N. Stoljar

#### Emeritus Professors

- M.A. Bunge; Ph.D. (LaPlata), F.R.S.C. (*John Frothingham Emeritus Professor of Logic and Metaphysics*)
- D. Norton; M.A. (Claremont), Ph.D. (Calif.), F.R.S.C. (*William C. Macdonald Emeritus Professor of Moral Philosophy*)
- C. Taylor; M.A., D.Phil. (Oxf.), F.R.S.C.

#### Professors

- G. DiGiovanni; B.A., M.A., S.T.B., Ph.D. (Tor.)
- S. McCall; B.A. (McG.), B.Phil., D.Phil. (Oxf.)
- J. McGillvray; B.A. (Carleton Coll.), Ph.D. (Yale)
- C. Normore; B.A. (McG.), M.A., Ph.D. (Tor.) (*William C. Macdonald Professor of Moral Philosophy*)

#### Associate Professors

- A. Al-Saji; M.A. (Louvain), Ph.D. (Emory)
- R.P. Buckley; Ph.D. (Louvain)
- E. Carson; M.A. (McG.), Ph.D. (Harv.)
- D. Davies; B.A. (Oxf.), M.A. (Manit.), Ph.D. (W. Ont.)
- M. Deslauriers; B.A. (McG.), M.A., Ph.D. (Tor.)
- G. Fiasse; B.A., M.A., Ph.D. (Louvain) (*joint appt. with Religious Studies*)
- C. Fraenkel; B.A., M.A., Ph.D. (Free Univ., Berlin) (*joint appt. with Jewish Studies*)
- I. Gold; B.A., M.A. (McG.), Ph.D. (Princ.) (*joint appt. with Psychiatry*)
- M. Hallett; B.Sc., Ph.D. (Lond.) (*John Frothingham Professor of Logic and Metaphysics*)
- A. Laywine; B.A. (Ott.), M.A. (Montr.), Ph.D. (Chic.)
- E. Lewis; B.A. (C’nell), Ph.D. (Ill.-Chic.)
- S. Menn; M.A., Ph.D. (Chic.), M.A., Ph.D. (Johns Hop.)
- G. Mikkelson; M.S., Ph.D. (Chic.) (*joint appt. with McGill School of Environment*)
- N. Stoljar; B.A., LL.B. (Syd.), Ph.D. (Princ.) (*joint appt. with Social Studies of Medicine*)
**Associate Professors**

S. Stroud; A.B.(Harv.), Ph.D.(Princ.)

**Assistant Professors**

M. Blome-Tillmann; B.Phil., D.Phil.(Oxf.)

I. Hirose; B.A., M.A.(Waseda), Ph.D.(St. And.) (*joint appt. with McGill School of Environment*)

A. Reisner; B.A.(Middlebury), M.A.(Brist.), D.Phil.(Oxf.)

D. Schlimm; M.Sc.(TU Darmstadt), M.Sc., Ph.D.(Carn. Mell)

H. Sharp; A.B.(Occidental), M.A.(Binghamton), Ph.D.(Penn.)

**Associate Professor (part-time)**

K. Arvanitakis

**Associate Members**

A. Abizadeh (*Political Science*)

B. Gillon (*Linguistics*)

L. Kaplan (*Jewish Studies*)

J. Levy (*Political Science*)

R. Wisnovsky (*Islamic Studies*)

**Adjunct Professors**

S. Davis (Car.)

S.-J. Hoffmann (Dawson)

I. Macdonald (Montr.)

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**15.11.19.5 Master of Arts (M.A.); Philosophy (Thesis) — Bioethics (45 credits)**

**Thesis Courses (24 credits)**

- BIOE 690 (3) M.Sc. Thesis Literature Survey
- BIOE 691 (3) M.Sc. Thesis Research Proposal
- BIOE 693 (12) M.Sc. Thesis

**Required Courses (6 credits)**

Choose two of the following courses:

- BIOE 680 (3) Bioethical Theory
- BIOE 681 (3) Bioethics Practicum
- PHIL 543 (3) Seminar: Medical Ethics

**Complementary Courses (12 credits)**

12 credits are to be taken in any graduate courses required or accepted by the Department of Philosophy for the granting of a master's degree.

**15.11.19.6 Doctor of Philosophy (Ph.D.); Philosophy**

**Thesis**
Required Courses (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 607</td>
<td>(6)</td>
<td>Pro-Seminar 1</td>
</tr>
<tr>
<td>PHIL 682</td>
<td>(6)</td>
<td>Pro-Seminar 3</td>
</tr>
<tr>
<td>PHIL 685</td>
<td>(3)</td>
<td>Fundamentals of Logic</td>
</tr>
<tr>
<td>PHIL 690</td>
<td>(3)</td>
<td>Candidacy Paper</td>
</tr>
</tbody>
</table>

Complementary Courses

(21-27 credits)

Students admitted to Ph.D. 1 require nine complementary courses.

Students admitted to Ph.D. 2 require seven complementary courses.

Minimum of two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 551</td>
<td>(3)</td>
<td>Seminar: Ancient Philosophy 2</td>
</tr>
<tr>
<td>PHIL 556</td>
<td>(3)</td>
<td>Seminar: Medieval Philosophy</td>
</tr>
<tr>
<td>PHIL 560</td>
<td>(3)</td>
<td>Seminar: 17th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 561</td>
<td>(3)</td>
<td>Seminar: 18th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 567</td>
<td>(3)</td>
<td>Seminar: 19th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 575</td>
<td>(3)</td>
<td>Seminar: Contemporary European Philosophy</td>
</tr>
</tbody>
</table>

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of 2 courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 534</td>
<td>(3)</td>
<td>Seminar: Ethics</td>
</tr>
<tr>
<td>PHIL 540</td>
<td>(3)</td>
<td>Seminar: Philosophy and Social Sciences</td>
</tr>
<tr>
<td>PHIL 543</td>
<td>(3)</td>
<td>Seminar: Medical Ethics</td>
</tr>
<tr>
<td>PHIL 544</td>
<td>(3)</td>
<td>Political Theory</td>
</tr>
<tr>
<td>PHIL 548</td>
<td>(3)</td>
<td>Seminar: Philosophy of Law</td>
</tr>
</tbody>
</table>

and/or any other course at the 500, 600 or 700 level in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count towards the area requirements.

Minimum of 2 courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 506</td>
<td>(3)</td>
<td>Seminar: Philosophy of Mind</td>
</tr>
<tr>
<td>PHIL 507</td>
<td>(3)</td>
<td>Seminar: Cognitive Science</td>
</tr>
<tr>
<td>PHIL 510</td>
<td>(3)</td>
<td>Seminar: Advanced Logic 2</td>
</tr>
<tr>
<td>PHIL 511</td>
<td>(3)</td>
<td>Seminar: Philosophy of Logic and Mathematics</td>
</tr>
<tr>
<td>PHIL 515</td>
<td>(3)</td>
<td>Seminar: Philosophy of Language</td>
</tr>
<tr>
<td>PHIL 519</td>
<td>(3)</td>
<td>Seminar: Epistemology</td>
</tr>
<tr>
<td>PHIL 521</td>
<td>(3)</td>
<td>Seminar: Metaphysics</td>
</tr>
<tr>
<td>PHIL 570</td>
<td>(3)</td>
<td>Seminar: Contemporary Analytic Philosophy</td>
</tr>
</tbody>
</table>

and/or any other course at the 500 level or higher in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count towards the area requirements.

The remaining course(s) must be at the 500, 600, or 700 level and are to be chosen in consultation with the student's advisory committee.
Language Requirement

One research language at the advanced level or two research languages at the intermediate level.

15.11.19.7 Doctor of Philosophy (Ph.D.); Philosophy — Environment

The Graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socioeconomic and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other’s learning through structured courses, formal seminars, and informal discussions and networking. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

Thesis

Required Courses (24 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>PHIL 607</td>
<td>6</td>
<td>Pro-Seminar 1</td>
</tr>
<tr>
<td>PHIL 682</td>
<td>6</td>
<td>Pro-Seminar 3</td>
</tr>
<tr>
<td>PHIL 685</td>
<td>3</td>
<td>Fundamentals of Logic</td>
</tr>
<tr>
<td>PHIL 690</td>
<td>3</td>
<td>Candidacy Paper</td>
</tr>
</tbody>
</table>

Complementary Courses

(24-30 credits)

Students admitted to Ph.D. 1 require ten complementary courses
Students admitted to Ph.D. 2 require eight complementary courses

Minimum of two courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 551</td>
<td>3</td>
<td>Seminar: Ancient Philosophy 2</td>
</tr>
<tr>
<td>PHIL 556</td>
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<td>Seminar: Medieval Philosophy</td>
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<tr>
<td>PHIL 560</td>
<td>3</td>
<td>Seminar: 17th Century Philosophy</td>
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<tr>
<td>PHIL 561</td>
<td>3</td>
<td>Seminar: 18th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 567</td>
<td>3</td>
<td>Seminar: 19th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 575</td>
<td>3</td>
<td>Seminar: Contemporary European Philosophy</td>
</tr>
</tbody>
</table>

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 534</td>
<td>3</td>
<td>Seminar: Ethics</td>
</tr>
<tr>
<td>PHIL 540</td>
<td>3</td>
<td>Seminar: Philosophy and Social Sciences</td>
</tr>
<tr>
<td>PHIL 543</td>
<td>3</td>
<td>Seminar: Medical Ethics</td>
</tr>
<tr>
<td>PHIL 544</td>
<td>3</td>
<td>Political Theory</td>
</tr>
<tr>
<td>PHIL 548</td>
<td>3</td>
<td>Seminar: Philosophy of Law</td>
</tr>
</tbody>
</table>

and/or any other course at the 500 level or higher in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.
Minimum of two courses from the following:

- **PHIL 506** Seminar: Philosophy of Mind
- **PHIL 507** Seminar: Cognitive Science
- **PHIL 510** Seminar: Advanced Logic 2
- **PHIL 511** Seminar: Philosophy of Logic and Mathematics
- **PHIL 515** Seminar: Philosophy of Language
- **PHIL 519** Seminar: Epistemology
- **PHIL 521** Seminar: Metaphysics
- **PHIL 570** Seminar: Contemporary Analytic Philosophy

and/or any other course at the 500, 600, or 700 level in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

One course chosen from the following:

- **ENVR 519** Global Environmental Politics
- **ENVR 544** Environmental Measurement and Modelling
- **ENVR 580** Topics in Environment 3
- **ENVR 611** The Economy of Nature
- **ENVR 620** Environment and Health of Species
- **ENVR 622** Sustainable Landscapes
- **ENVR 630** Civilization and Environment
- **ENVR 680** Topics in Environment 4

or other course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

The remaining course(s) must be at the 500, 600, or 700 level and are to be chosen in consultation with the student's advisory committee.

**Language Requirement**

One research language at the advanced level or two research languages at the intermediate level.

**15.11.19.8 Doctor of Philosophy (Ph.D.); Philosophy — Gender and Women's Studies**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Philosophy who wish to earn 9 additional credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

**Thesis**

**Required Courses (24 credits)**

- **PHIL 607** Pro-Seminar 1
- **PHIL 682** Pro-Seminar 3
- **PHIL 685** Fundamentals of Logic
- **PHIL 690** Candidacy Paper
- **WMST 601** Feminist Theories and Methods
- **WMST 602** Feminist Research Symposium

**Complementary Courses**

(24-30 credits)
Students admitted to Ph.D. 1 require ten complementary courses
Students admitted to Ph.D. 2 require eight complementary courses

Minimum two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 551</td>
<td>Seminar: Ancient Philosophy 2</td>
</tr>
<tr>
<td>PHIL 556</td>
<td>Seminar: Medieval Philosophy</td>
</tr>
<tr>
<td>PHIL 560</td>
<td>Seminar: 17th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 561</td>
<td>Seminar: 18th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 567</td>
<td>Seminar: 19th Century Philosophy</td>
</tr>
<tr>
<td>PHIL 575</td>
<td>Seminar: Contemporary European Philosophy</td>
</tr>
</tbody>
</table>

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 534</td>
<td>Seminar: Ethics</td>
</tr>
<tr>
<td>PHIL 540</td>
<td>Seminar: Philosophy and Social Sciences</td>
</tr>
<tr>
<td>PHIL 542</td>
<td>Seminar: Feminist Theory</td>
</tr>
<tr>
<td>PHIL 543</td>
<td>Seminar: Medical Ethics</td>
</tr>
<tr>
<td>PHIL 544</td>
<td>Political Theory</td>
</tr>
<tr>
<td>PHIL 548</td>
<td>Seminar: Philosophy of Law</td>
</tr>
</tbody>
</table>

and/or any other course at the 500, 600, or 700 level in Value Theory recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

Minimum of two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 506</td>
<td>Seminar: Philosophy of Mind</td>
</tr>
<tr>
<td>PHIL 507</td>
<td>Seminar: Cognitive Science</td>
</tr>
<tr>
<td>PHIL 510</td>
<td>Seminar: Advanced Logic 2</td>
</tr>
<tr>
<td>PHIL 511</td>
<td>Seminar: Philosophy of Logic and Mathematics</td>
</tr>
<tr>
<td>PHIL 515</td>
<td>Seminar: Philosophy of Language</td>
</tr>
<tr>
<td>PHIL 519</td>
<td>Seminar: Epistemology</td>
</tr>
<tr>
<td>PHIL 521</td>
<td>Seminar: Metaphysics</td>
</tr>
<tr>
<td>PHIL 570</td>
<td>Seminar: Contemporary Analytic Philosophy</td>
</tr>
</tbody>
</table>

and/or any other course at the 500, 600, or 700 level in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

one additional course selected from the list of Women's Studies graduate course offerings (below), or other graduate option-approved courses from participating departments.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 501</td>
<td>Advanced Topics 1</td>
</tr>
<tr>
<td>WMST 502</td>
<td>Advanced Topics 2</td>
</tr>
<tr>
<td>WMST 513</td>
<td>Gender, Race and Science</td>
</tr>
</tbody>
</table>

The remaining course(s) must be at the 500, 600, or 700 level and are to be chosen in consultation with the student's advisory committee.

**Language Requirement**

One research language at the advanced level or two research languages at the intermediate level.
15.11.20 Political Science

15.11.20.1 Location
Department of Political Science
Stephen Leacock Building, Room 414
855 Sherbrooke Street West
Montreal, QC H3A 2T7
Canada

Telephone: 514-398-4800
Fax: 514-398-1770
Website: www.mcgill.ca/politicalscience

15.11.20.2 About Political Science
The Department offers programs leading to the M.A. (with or without thesis) and Ph.D. degrees. These programs combine depth of specialization in a particular field with breadth of knowledge in related fields. The staff offers courses and supervises research on most of the important areas of political science. Students may specialize in any of the following: Canadian Government and Politics; Comparative Politics, Political Theory, and International Relations. M.A. graduates gain the scholarly preparation required to proceed to the Ph.D. program at McGill or elsewhere. Alternatively, the M.A. degree prepares graduates for teaching at the college level, for advanced study in other disciplines, or for rewarding jobs in government and in the private sector. Students in the M.A. program may choose either the Research Essay Option or the Thesis Option. Both options are generally recognized as among the most demanding and rewarding in Canada.

Besides its traditional M.A. program, the Department also offers M.A. options in Social Statistics, Development Studies, Gender and Women’s Studies, and European Studies. Interested students must apply and be accepted to both the political science M.A. program and to the option program.

Graduate students can benefit from expertise and advanced scholarship in such diverse research areas as Electoral Studies, Comparative Federalism, Constitutional Theory and Practice, International Peace and Security Studies, International Development, Nations and Nationalism, Health and Social Policy, and Identity Politics. For a full list of our affiliated research centres and institutes, please consult our website: www.mcgill.ca/politicalscience/centres/.

Changes may take place after this content is published. Students are advised to contact the Department Office for supplementary information, which may be important to their choice of program.

Master's Programs
Students may select a program with the Thesis or the Non-Thesis (Research Project) in completing M.A. degree requirements. They may switch from one option to the other while completing their coursework.

section 15.11.20.5: Master of Arts (M.A.); Political Science (Thesis) (45 credits)
The M.A. program is generally recognized as among the most demanding and rewarding in Canada. A main purpose of the M.A. degree is to demonstrate an ability to design and execute with competence a major piece of research, comparable to a full length article in a scholarly journal. The length will vary with the nature of the topic. A thesis that contains considerable data analysis might be well developed in 50 pages, while an institutional or historical study would generally be longer.

section 15.11.20.6: Master of Arts (M.A.); Political Science (Thesis) — Development Studies (45 credits)
The Development Studies Option (DSO) is a cross disciplinary M.A. program offered within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students take an interdisciplinary seminar (INTD 657 Development Studies Seminar) that will be co-taught by professors from two different disciplines and a variety of graduate level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO Coordinating Committee. Students interested in development will benefit from the expertise provided by the Institute for the Study of International Development. For more information on the Institute, see their website: www.mcgill.ca/isid/studies/option.

section 15.11.20.7: Master of Arts (M.A.); Political Science (Thesis) — European Studies (45 credits)
The European Studies Option (ESO) is an option offered within existing M.A. programs in the departments of Political Science, History, and Sociology, as well as in the Faculty of Law. This option is open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students will take an interdisciplinary capstone seminar and two other courses on European themes and issues as part of their M.A. program. Students enter through one of the participating departments and must meet the requirements of that unit. The M.A. thesis must be on a topic relating to European Studies, approved by the ESO coordinating committee. Knowledge of French, while not a prerequisite, is an important asset for admission and will be encouraged as part of the program, as will knowledge of a third European language.
The M.A. program is generally recognized as among the most demanding and rewarding in Canada. Students in the Non-Thesis program will submit a research essay. The research essay will normally be based on a paper written for a graduate seminar or an independent reading course. The research essay requirement also applies to each of the Non-Thesis options listed below.

The Development Studies Option (DSO) is a cross-disciplinary M.A. program offered within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students take an interdisciplinary seminar that will be co-taught by professors from two different disciplines (INTD 657 Development Studies Seminar) and a variety of graduate-level courses on international development issues. Students interested in development will benefit from the expertise provided by the Institute for the Study of International Development. For more information on the Institute, see their website: www.mcgill.ca/isisd/studies/option.

The European Studies Option (ESO) is an option offered within existing M.A. programs in the departments of Political Science, History, and Sociology, as well as in the Faculty of Law. This option is open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students enter through one of the participating departments and must meet the requirements of that unit. Students will take an interdisciplinary capstone seminar and two other courses on European themes and issues as part of their M.A. program. Knowledge of French, while not a prerequisite, is an important asset for admission and will be encouraged as part of the program, as will knowledge of a third European language.

The Gender and Women’s Studies Option offers McGill graduate students who meet the degree requirements in a participating unit and who wish to earn 6 credits of approved coursework a cross-disciplinary specialization in feminist, gender and/or women’s studies, deploying a wide array of disciplinary methodologies and modes of inquiry. The student’s research paper must be on a topic centrally focused on gender and/or women’s studies. See www.mcgill.ca/igsf/programs/gws.

The Social Statistics Option complements disciplinary training with research experience applying statistical methods to Statistics Canada data or equivalent. Students complete course requirements, supplemented by further statistical courses, as advised by the Option Adviser, and subject to approval by the Department, and a statistics based M.A. research paper in conjunction with an interdisciplinary capstone seminar. See www.mcgill.ca/socialstatistics.

Entrance to this option is by application to the Social Statistics Option Committee subsequent to acceptance into the Department program. A research paper is required to demonstrate proficiency in research. It is normally about 50 pages in length and involves revision of a paper written for one of the graduate courses completed in the program. The research paper is evaluated by two faculty members in the Department.

Ph.D. Programs

The doctoral program is designed to give students the necessary foundation for making original contributions to knowledge. Graduate courses provide students with analytical and theoretical tools used in particular subfields. This general training includes specialized training in research methods. Recent graduates of our doctoral program are pursuing diverse employment opportunities, see: www.mcgill.ca/politicalscience/grad/recentplacements.

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in Political Science and who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. This option is a cross-disciplinary specialization run by the McGill Institute for Gender, Sexuality, and Feminist Studies (see www.mcgill.ca/igsf). The student’s doctoral thesis must be on a topic centrally related to gender and/or women’s studies. For more information on the option, see: www.mcgill.ca/igsf/programs/gws.

15.11.20.3 Political Science Admission Requirements and Application Procedures

The graduate admissions committee only considers applications from those who already have an undergraduate academic degree in political science or a closely related field (e.g., international studies, sociology, philosophy for prospective political theorists, etc.). Those without this required background occasionally enrol as Special Students in the undergraduate program and take upper-level undergraduate courses in order to build the academic record necessary to apply to the graduate program.

Master’s

Students holding a B.A. degree may be eligible for admission to the M.A. program. Preparation equivalent to a McGill Honours program in political science is desirable.

Ph.D.
Students holding a master’s degree in political science may be eligible for admission to the Ph.D. program. In some instances, outstanding students with a B.A. in political science may be admitted directly into the Ph.D. program without having completed an M.A. degree. They will be considered Ph.D. 1 and some previous political science coursework could be applied to the requirements of the program, provided that it did not count toward any other degree.

Reference Letters
All applicants, including those who have done their undergraduate work at McGill, must submit two letters of reference. Note that referees will not be contacted by McGill – it is the applicant's responsibility to contact their referees to ensure references are sent in time to be considered; it is recommended that you contact your referees at least a month in advance of the deadline. Applications that do not have references by January 15 will not be considered.

Transcripts
Two original copies of each transcript from all universities attended must be sent to the Political Science Department in sealed university-stamped envelopes.

GRE and TOEFL Exams
GRE results are required for applications to the doctoral program. Use codes McGill 0935 – Political Science 1999. The test should be written well in advance of the application deadline. See www.gre.org for more information on registering for the test. GRE results are not required for students applying to the master's program.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian/American institution (anglophone or francophone), must submit TOEFL scores. A minimum score of 600 on the paper-based test (or 100 on the Internet-based test, with each component score not less than 20) is required for admission. Please use the codes McGill 0935 – Political Science 89 when writing the TOEFL exam. See www.ets.org/toefl for more information on registering for the test. The IELTS (International English Language Testing Systems) with a minimum overall band of 6.5 is also acceptable. Files will not be considered unless TOEFL/IELTS scores are received before the date for guaranteed consideration (January 15 for admission in the Fall).

For more information, consult the following websites: www.ets.org/gre and www.ets.org/toefl.

15.11.2032 Application Procedures
Applications will be considered upon receipt of:

1. online application, with $100 application fee;
2. two original transcripts from each university attended;
3. two letters of reference;
4. test results: TOEFL/IELTS (if applicable) and GRE (for Ph.D. applicants);
5. personal statement (one page);
6. sample of writing (Ph.D. only).

All applications should be submitted to the Graduate Coordinator in the Department of Political Science by January 15.

Date for Guaranteed Consideration
Completed applications (including all supporting documentation listed above) for all graduate programs in Political Science must be received by January 15. For detailed information, please visit www.mcgill.ca/gradapplicants/political-science.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

15.11.204 Political Science Faculty

Chair
Richard Schultz

Director of Graduate Program
Filippo Sabetti

Emeritus Professors
Baldev Raj Nayar; B.A., M.A.(Punj.), M.A., Ph.D.(Chic.)
Blema Steinberg; B.A.(McG.), M.A.(C'nell), Ph.D.(McG.)

Professors
Mark R. Brawley; B.A., M.A., Ph.D.(Calif.-LA)
Michael Brecher; B.A.(McG.), M.A., Ph.D.(Yale), F.R.S.C. (R.B. Angus Professor of Economics and Political Science) (on leave Winter 2012)
Rex Brynen; B.A.(Vic., BC), M.A., Ph.D.(Calg.)
Elisabeth Gidengil; B.A.(Lond.), M.A.(NYU), Ph.D.(McG.)
Professors

Jody S. Heymann; B.A.(Yale), M.D., Ph.D.(Harv.) (*Canada Research Chair*)
Christopher Manfredi; B.A., M.A.(Calg.), M.A., Ph.D.(Claremont)
T. V. Paul; B.A., M.A.(Kerala), M.Phil.(J. Nehru U.), M.A., Ph.D.(Calif.-LA) (*James McGill Professor*)
Filippo Sabetti; B.A.(McM.), Ph.D.(Ind.)
Richard Schultz; B.A.(York), M.A.(Manc.), Ph.D.(York) (*James McGill Professor*)
Harold M. Waller; M.S.(N’western), Ph.D.(G’town)

Associate Professors

Arash Abizadeh; B.A.(Winn.), M.Phil.(Oxf.), Ph.D.(Harv.)
Éric Bélanger; B.A., M.A.(Laval), Ph.D.(Montr.) (*on leave Fall 2011 and Winter 2012*)
Juliet Johnson; A.B.(Stan.), M.A., Ph.D.(Princ.)
Erik Kuhonta; B.A.(Penn.), M.A.(C’nell), Ph.D.(Stan.) (*on leave Winter 2012*)
Jacob Levy; A.B.(Brown), M.A., Ph.D.(Princ.) (*on leave Winter 2012*)
Catherine Lu; B.A., M.A.(Br. Col.), Ph.D.(Tor.)
Antonia Maioni; M.A.(Car.), Ph.D.(N’western)
Hudson Meadwell; B.A.(Manit.), M.A., Ph.D.(Duke)
Philip Oxhorn; B.A.(Redlands), M.A.(Cant.), Ph.D.(Harv.)
Stephen Saideman; B.A.(Oberlin), M.A., Ph.D.(Calif.-San Diego) (*Canada Research Chair*)
Stuart Soroka; B.A.(Qu.), M.A.(Car.), Ph.D.(Br. Col.) (*William Dawson Scholar*)
Dietlind Stolle; M.A.(Claremont), Ph.D.(Princ.)
Narendra Subramanian; B.A.(Princ.), M.A., Ph.D.(MIT)
Christina Tarnopolsky; B.A.(Tor.), M.A., Ph.D.(Chic.) (*on leave Fall 2011 and Winter 2012*)

Assistant Professors

Khalid Medani; B.A.(Brown), M.A.(G’town), M.A., Ph.D.(Calif., Berk.)
Victor Muñiz-Fraticelli; M.A., Ph.D.(Chic.)
Krzysztof Pelc; B.A., B.Com.(Qu.), Ph.D.(G’town)
Maria Popova; B.A.(Dart.), Ph.D.(Harv.)
Vincent Pouliot; B.Sc.(Montr.), D.E.A.(Bordeaux), Ph.D.(Tor.)
William Clare Roberts; B.A.(Carleton Coll.), Ph.D.(Penn. St.)
Christa Scholtz; B.A.(Alta.), M.A.(Ott.), Ph.D.(Princ.) (*on leave Fall 2011*)

Faculty Lecturer

Jason Ferrell; M.A.(Tulane), Ph.D.(McG.)

15.11.205 Master of Arts (M.A.); Political Science (Thesis) (45 credits)

Thesis Courses (24 credits)

A thesis is required to demonstrate proficiency in research. It is normally about 100 pages long and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 697</td>
<td>(12)</td>
<td>M.A. Thesis Proposal</td>
</tr>
<tr>
<td>POLI 698</td>
<td>(12)</td>
<td>Master's Thesis Submission</td>
</tr>
</tbody>
</table>

Required Course (6 credits)
Complementary Courses (15 credits)

3-6 credits, either of the following 3-credit options or, preferably, both:

POLI 612 (3) Research Design and Empirical Methods

or a more suitable advanced course

or, one of the following courses:

POLI 561 (3) Seminar: Political Theory
POLI 613 (3) Selected Themes: Political Theory
POLI 614 (3) Classical Political Thought
POLI 616 (3) Modern Political Analysis
POLI 617 (3) Problems in Political Theory

9-12 credits of 500- or 600-level courses as determined by the student's area of study.

Of the 15 credits of complementary courses, up to 3 credits may be outside the Department.
Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.20.6 Master of Arts (M.A.); Political Science (Thesis) — Development Studies (45 credits)

Thesis Courses (24 credits)

POLI 697 (12) M.A. Thesis Proposal
POLI 698 (12) Master's Thesis Submission

Required Courses (9 credits)

INTD 657 (3) Development Studies Seminar
POLI 691 (6) Bibliographic Methods 1

Complementary Courses (12 credits)

3-6 credits, either of the following 3-credit options or preferably both:

POLI 612 (3) Research Design and Empirical Methods

or a suitable more advanced 500- or 600-level course or one of the following courses:

POLI 561 (3) Seminar: Political Theory
POLI 613 (3) Selected Themes: Political Theory
POLI 614 (3) Classical Political Thought
POLI 616 (3) Modern Political Analysis
POLI 617 (3) Problems in Political Theory

6-9 credits of 500- or 600-level courses. A course list is available from the Department.
Of the 12 credits of complementary courses, up to 3 credits may be taken from outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

15.11.20.7 Master of Arts (M.A.); Political Science (Thesis) — European Studies (45 credits)

Thesis Courses (24 credits)
- POLI 697 (12) M.A. Thesis Proposal
- POLI 698 (12) Master's Thesis Submission

Required Courses (9 credits)
- POLI 659 (3) Interdisciplinary Seminar in European Studies
- POLI 691 (6) Bibliographic Methods 1

Complementary Courses (12 credits)
3-6 credits, either of the following 3-credit options, or preferably both:
- POLI 612 (3) Research Design and Empirical Methods

or a suitable more advanced 500- or 600-level course

or one of the following courses:
- POLI 561 (3) Seminar: Political Theory
- POLI 613 (3) Selected Themes: Political Theory
- POLI 614 (3) Classical Political Thought
- POLI 616 (3) Modern Political Analysis
- POLI 617 (3) Problems in Political Theory

3-6 credits from the following group of courses on European politics:
- POLI 619 (3) Immigrants / Refugees / Minorities
- POLI 625 (3) Comparative Policy Analysis
- POLI 628 (3) Comparative Politics
- POLI 629 (3) Post-Communist Transformations
- POLI 630 (3) Topics in European Politics
- POLI 639 (3) Politics of Developed Areas
- POLI 651 (3) The EU and Political Integration
- POLI 680 (3) Social Change/Advanced Industrialized Democracies

3-6 credits at the 500, 600, or 700 level in courses in political science. A course list is available from the Department.

Of the 12 credits of complementary courses, up to 3 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.
**15.11.20.8 Master of Arts (M.A.); Political Science (Non-Thesis) (45 credits)**

**Research Project (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 693</td>
<td>(3)</td>
<td>M.A. Research Proposal</td>
</tr>
<tr>
<td>POLI 694</td>
<td>(3)</td>
<td>Research Preparation 1</td>
</tr>
<tr>
<td>POLI 695</td>
<td>(3)</td>
<td>Research Preparation 2</td>
</tr>
<tr>
<td>POLI 696</td>
<td>(3)</td>
<td>Research Preparation 3</td>
</tr>
<tr>
<td>POLI 699</td>
<td>(6)</td>
<td>Master's Research Essay</td>
</tr>
</tbody>
</table>

**Required Course (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 691</td>
<td>(6)</td>
<td>Bibliographic Methods 1</td>
</tr>
</tbody>
</table>

**Complementary Courses (21 credits)**

3-6 credits, either of the following 3-credit options, or preferably, both:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 612</td>
<td>(3)</td>
<td>Research Design and Empirical Methods</td>
</tr>
</tbody>
</table>

or a suitable more advanced course

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 561</td>
<td>(3)</td>
<td>Seminar: Political Theory</td>
</tr>
<tr>
<td>POLI 613</td>
<td>(3)</td>
<td>Selected Themes: Political Theory</td>
</tr>
<tr>
<td>POLI 614</td>
<td>(3)</td>
<td>Classical Political Thought</td>
</tr>
<tr>
<td>POLI 616</td>
<td>(3)</td>
<td>Modern Political Analysis</td>
</tr>
<tr>
<td>POLI 617</td>
<td>(3)</td>
<td>Problems in Political Theory</td>
</tr>
</tbody>
</table>

15-18 credits of 500- or 600-level courses; up to 6 credits may be outside the Department.

**15.11.20.9 Master of Arts (M.A.); Political Science (Non-Thesis) — Development Studies (45 credits)**

**Research Project (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 693</td>
<td>(3)</td>
<td>M.A. Research Proposal</td>
</tr>
<tr>
<td>POLI 694</td>
<td>(3)</td>
<td>Research Preparation 1</td>
</tr>
<tr>
<td>POLI 695</td>
<td>(3)</td>
<td>Research Preparation 2</td>
</tr>
<tr>
<td>POLI 696</td>
<td>(3)</td>
<td>Research Preparation 3</td>
</tr>
<tr>
<td>POLI 699</td>
<td>(6)</td>
<td>Master's Research Essay</td>
</tr>
</tbody>
</table>

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTD 657</td>
<td>(3)</td>
<td>Development Studies Seminar</td>
</tr>
<tr>
<td>POLI 691</td>
<td>(6)</td>
<td>Bibliographic Methods 1</td>
</tr>
</tbody>
</table>

**Complementary Courses (18 credits)**

3-6 credits, either of the following 3-credit options or preferably, both:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 612</td>
<td>(3)</td>
<td>Research Design and Empirical Methods</td>
</tr>
</tbody>
</table>
or a suitable more advanced 500- or 600-level course

One of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 561</td>
<td>(3)</td>
<td>Seminar: Political Theory</td>
</tr>
<tr>
<td>POLI 613</td>
<td>(3)</td>
<td>Selected Themes: Political Theory</td>
</tr>
<tr>
<td>POLI 614</td>
<td>(3)</td>
<td>Classical Political Thought</td>
</tr>
<tr>
<td>POLI 616</td>
<td>(3)</td>
<td>Modern Political Analysis</td>
</tr>
<tr>
<td>POLI 617</td>
<td>(3)</td>
<td>Problems in Political Theory</td>
</tr>
</tbody>
</table>

12-15 credits of additional 500- or 600-level courses related to international development studies. Course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.
Candidates for the M.A. degree follow an individual program in international development studies approved by the Department.

15.11.2010 Master of Arts (M.A.); Political Science (Non-Thesis) — European Studies (45 credits)

Research Project (18 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 693</td>
<td>(3)</td>
<td>M.A. Research Proposal</td>
</tr>
<tr>
<td>POLI 694</td>
<td>(3)</td>
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<tr>
<td>POLI 695</td>
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<td>(3)</td>
<td>Research Preparation 3</td>
</tr>
<tr>
<td>POLI 699</td>
<td>(6)</td>
<td>Master's Research Essay</td>
</tr>
</tbody>
</table>

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 659</td>
<td>(3)</td>
<td>Interdisciplinary Seminar in European Studies</td>
</tr>
<tr>
<td>POLI 691</td>
<td>(6)</td>
<td>Bibliographic Methods 1</td>
</tr>
</tbody>
</table>

Complementary Courses (18 credits)

3-6 credits, either of the following 3-credit options or, preferably, both:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 612</td>
<td>(3)</td>
<td>Research Design and Empirical Methods</td>
</tr>
</tbody>
</table>

or a suitable more advanced 500- or 600-level course

or one of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 561</td>
<td>(3)</td>
<td>Seminar: Political Theory</td>
</tr>
<tr>
<td>POLI 613</td>
<td>(3)</td>
<td>Selected Themes: Political Theory</td>
</tr>
<tr>
<td>POLI 614</td>
<td>(3)</td>
<td>Classical Political Thought</td>
</tr>
<tr>
<td>POLI 616</td>
<td>(3)</td>
<td>Modern Political Analysis</td>
</tr>
<tr>
<td>POLI 617</td>
<td>(3)</td>
<td>Problems in Political Theory</td>
</tr>
</tbody>
</table>

6-9 credits from the following group of courses on European Politics:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 619</td>
<td>(3)</td>
<td>Immigrants / Refugees / Minorities</td>
</tr>
<tr>
<td>POLI 625</td>
<td>(3)</td>
<td>Comparative Policy Analysis</td>
</tr>
<tr>
<td>POLI 628</td>
<td>(3)</td>
<td>Comparative Politics</td>
</tr>
</tbody>
</table>
### Master of Arts (M.A.); Political Science (Non-Thesis) — Gender and Women's Studies (45 credits)

#### Research Project (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 693</td>
<td>3</td>
<td>M.A. Research Proposal</td>
</tr>
<tr>
<td>POLI 694</td>
<td>3</td>
<td>Research Preparation 1</td>
</tr>
<tr>
<td>POLI 695</td>
<td>3</td>
<td>Research Preparation 2</td>
</tr>
<tr>
<td>POLI 696</td>
<td>3</td>
<td>Research Preparation 3</td>
</tr>
<tr>
<td>POLI 699</td>
<td>6</td>
<td>Master's Research Essay</td>
</tr>
</tbody>
</table>

#### Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 691</td>
<td>6</td>
<td>Bibliographic Methods 1</td>
</tr>
<tr>
<td>WMST 601</td>
<td>3</td>
<td>Feminist Theories and Methods</td>
</tr>
</tbody>
</table>

#### Complementary Courses (18 credits)

3-6 credits, either of the following 3-credit options, or preferably, both:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 612</td>
<td>3</td>
<td>Research Design and Empirical Methods</td>
</tr>
</tbody>
</table>

or a suitable more advanced course at the graduate level,

or one of the following courses:

<table>
<thead>
<tr>
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<th>Credits</th>
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</tr>
</thead>
<tbody>
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<td>POLI 616</td>
<td>3</td>
<td>Modern Political Analysis</td>
</tr>
<tr>
<td>POLI 617</td>
<td>3</td>
<td>Problems in Political Theory</td>
</tr>
</tbody>
</table>

9-12 credits at the 500- or 600-level as determined by the student's area of study.

3 additional credits in gender/women's studies, either:

<table>
<thead>
<tr>
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<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 602</td>
<td>3</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

or another approved course on gender/women's studies
Note: Should the "other" approved gender/women's studies course be taken in the Department of Political Science, the student is eligible to take a 500- or 600-level course as determined by the student's area of study outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

1511.2012 Master of Arts (M.A.); Political Science (Non-Thesis) — Social Statistics (45 credits)

Research Project (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
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<tr>
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</tr>
<tr>
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<td>(3)</td>
<td>Research Preparation 2</td>
</tr>
<tr>
<td>POLI 696</td>
<td>(3)</td>
<td>Research Preparation 3</td>
</tr>
<tr>
<td>POLI 699</td>
<td>(6)</td>
<td>Master's Research Essay</td>
</tr>
</tbody>
</table>

Required Course (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 691</td>
<td>(6)</td>
<td>Bibliographic Methods 1</td>
</tr>
</tbody>
</table>

Complementary Courses (21 credits)

3 credits chosen from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 688</td>
<td>(3)</td>
<td>Seminar on Social Statistics</td>
</tr>
<tr>
<td>GEOG 688</td>
<td>(3)</td>
<td>Seminar on Social Statistics</td>
</tr>
<tr>
<td>POLI 688</td>
<td>(3)</td>
<td>Seminar on Social Statistics</td>
</tr>
<tr>
<td>SOCI 688</td>
<td>(1.5)</td>
<td>Social Statistics 1</td>
</tr>
</tbody>
</table>

3-6 credits, either of the following 3-credit options, or preferably both:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>POLI 612</td>
<td>(3)</td>
<td>Research Design and Empirical Methods</td>
</tr>
</tbody>
</table>

or a suitable more advanced course

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>POLI 617</td>
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<td>Problems in Political Theory</td>
</tr>
</tbody>
</table>

12-15 credits of 500- or 600-level POLI courses; up to 6 credits in related disciplines may be allowed if they are appropriate to the program.

Candidates for the M.A. degree follow a program approved on an individual basis by the Department.

1511.2013 Doctor of Philosophy (Ph.D.); Political Science

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLI 701</td>
<td>(0)</td>
<td>Ph.D. General Written Examination First Field</td>
</tr>
<tr>
<td>POLI 702</td>
<td>(0)</td>
<td>Ph.D. General Written Examination Second Field</td>
</tr>
</tbody>
</table>
Complementary Courses (13 courses)
13 courses at the 500, 600, or 700 level chosen as follows:

Major Fields: 8 courses
Four courses chosen in first major field.
Four courses chosen in second major field.
Note: One course out of the eight must be a 700-level research seminar in one of the major fields.

Political Theory: 1 course
One course in political theory at the 500, 600, or 700 level.

Methods: 1 course
POLI 612 (3) Research Design and Empirical Methods
or another suitable Advanced Methods course.

Additional Courses: 3 courses
Three additional courses of which at least one must be outside the student's major fields.

Advanced Research Tools
Language Requirement: Students must pass an advanced-level translation test from a language other than English. If the student's research will involve field work in a country where English is not widely spoken, the test will include an oral component. In selecting a language to fulfil this requirement, the student must demonstrate in writing how the chosen language is related to his or her research.

OR

Advanced Statistical Methods: To fulfil this requirement, students must complete a course (at the 500, 600, or 700 level) in advanced statistical methods.

15.11.2014 Doctor of Philosophy (Ph.D.); Political Science — Gender and Women’s Studies

Thesis

Required Courses (6 credits)

POLI 701 (0) Ph.D. General Written Examination First Field
POLI 702 (0) Ph.D. General Written Examination Second Field
POLI 799 (0) Ph.D. Oral Comprehensive Examination
WMST 601 (3) Feminist Theories and Methods
WMST 602 (3) Feminist Research Symposium

Complementary Courses (33 credits)
11 (3-credit) courses at the 600 level or higher chosen as follows:

Major Fields
24 credits selected as follows:
12 credits in the first major field.
12 credits in the second major field.
Note: 3 credits out of the 24 credits must be a 700-level research seminar in one of the major fields.

Political Theory
3 credits in political theory at the 500, 600, or 700 level.
Methods
3 credits of:

POLI 612 (3) Research Design and Empirical Methods

Gender Courses
3 credits at the 500 level or higher from the list of complementary courses offered by the graduate option in Gender and Women's Studies.

Advanced Research Tools
Language Requirement: Students must pass an advanced-level translation test from a language other than English. If the student's research will involve field work in a country where English is not widely spoken, the test will include an oral component. In selecting a language to fulfill this requirement, the student must demonstrate in writing how the chosen language is related to his or her research.

OR

Advanced Statistical Methods: To fulfill this requirement, students must complete a course (at the 500 level or higher) in advanced statistical methods.

15.11.21 Psychology

15.11.21.1 Location
Stewart Biological Sciences Building, Room W8/33A
1205 Dr. Penfield Avenue
Montreal, QC H3A 1B1
Canada
Telephone: 514-398-6124 / 514-398-6100
Fax: 514-398-4896
Email: gradsec@ego.psych.mcgill.ca
Website: www.psych.mcgill.ca

15.11.21.2 About Psychology
The aim of the Experimental program is to provide students with an environment in which they are free to develop skills and expertise that will serve during a professional career of teaching and research as a psychologist. Coursework and other requirements are at a minimum. Success in the program depends on the student's ability to organize unscheduled time for self education. Continuous involvement in research planning and execution is considered a very important component of the student's activities. Students are normally expected to do both master's and doctoral study.
M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage - students undergo formal evaluation in the Ph.D. program.
The Clinical program adheres to the scientist practitioner model and as such is designed to train students for careers in university teaching or clinical research, and for service careers – working with children or adults in a hospital, clinical, or educational setting. Most of our clinical graduates combine service and research roles. While there are necessarily many more course requirements than in the Experimental program, the emphasis is again on research training. There is no master's program in Clinical Psychology; students are expected to complete the full program leading to a doctoral degree.
Research interests of members of the Psychology Department include animal learning, behavioural neuroscience, clinical, child development, cognitive science, health psychology, psychology of language, perception, quantitative psychology, social psychology, and personality psychology.
Facilities for advanced research in a variety of fields are available within the Department itself. In addition, arrangements exist with the Departments of Psychology at the Montreal Neurological Institute, Allan Memorial Institute, Douglas Hospital, Jewish General Hospital, Montreal Children's Hospital, and the Montreal General Hospital, to permit graduate students to undertake research in a hospital setting.
For full information about all programs and financial aid, and for application forms, contact the Graduate Program Coordinator, Department of Psychology.
Ph.D. Option in Language Acquisition (LAP)
Information about this option is available from the Department and at: http://ego.psych.mcgill.ca/lap.html.
Ph.D. Option in Psychosocial Oncology (PSO)
A cross-disciplinary option in Psychosocial Oncology is offered within the existing Ph.D. program in Psychology. Information about this option is available from the Department and at: www.medicine.mcgill.ca/oncology/programs/programs_psychosocialoncology.asp.
Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

Please contact the Department for more information about this program.

This unique interdisciplinary program focuses on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition Program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology.

The Department of Oncology, in conjunction with the School of Nursing, the Department of Psychology and the School of Social Work, has developed the cross-disciplinary Psychosocial Oncology Option (PSOO). This option is open to doctoral students in the School of Nursing and in the Department of Psychology who are interested in broadening their knowledge of psychosocial issues in oncology.

Admission to the graduate program depends on an evaluation of students' research interests and their aptitude for original contributions to knowledge and, if applicable, for professional contributions in the field.

The usual requirement for admission is an honours or majors degree (B.A. or B.Sc.) in Psychology. This usually includes an introductory course plus twelve courses in psychology (each equivalent to three term hours). Courses in experimental psychology, the theoretical development of modern ideas in psychology, and statistical methods as applied to psychological problems (equivalent to an introductory course) are essential. Applicants' knowledge of relevant biological, physical, and social sciences is considered.

Applicants who hold a bachelor's degree but who have not met these usual requirements should consult the Graduate Program Director to determine which (if any) courses must be completed before an application can be considered. Students with insufficient preparation for graduate work may register as Special students (undergraduate level) in the Faculty of Arts or the Faculty of Science, and follow an appropriate course of study. Such registration requires the permission of the Department but carries no advantage with respect to a student's eventual admission to graduate studies.

The following items must be submitted to apply to our program:

1. **web application**, available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply);
2. **application fee** of CAD$100, by credit card only;
3. **completed Psychology summary sheet**;
4. **transcripts** – two official copies (sent directly from your university);
5. **letters of recommendation** – three letters of recommendation on institution letterhead with original signatures must be provided. There are no forms for these letters. Please remind your recommenders to include your FULL NAME on all letters;
6. **Graduate Record Examination (GRE)** – official reports and a photocopy of scores on the General and Subject GRE. Applicants with little or no background in psychology are not required to submit scores on the subject component of the GRE. We highly recommend to all other students to submit scores on the subject component of the GRE. If you did not take the GRE subject test and are accepted into the program, you may be asked to take it in April. All applicants must take the GRE if they have studied in an English-speaking university. Canadians who have not studied in an English institution are not required to submit GRE. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone) must submit a TOEFL score ([www.ets.org/toefl](http://www.ets.org/toefl));
7. **personal statement** (sent separately or completed on the online application form, "applicant statement"). Describe in as much detail as possible your interests in psychology and your career goals. Also indicate the area of psychology that you want to study (e.g., developmental, social, etc.) and the name of one or more staff members with whom you would like to work.

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. Please take note that we no longer distribute paper applications. The following items must be submitted to apply to our program:

1. web application, available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply);
2. application fee of CAD$100, by credit card only;
3. a completed Psychology summary sheet;
4. transcripts – two official copies (sent directly from your university);
5. letters of recommendation – three letters of recommendation on institution letterhead with original signatures must be provided. There are no forms for these letters. Please remind your recommenders to include your FULL NAME on all letters;
6. Graduate Record Examination (GRE) – official reports and a photocopy of scores on the General and Subject GRE. Applicants with little or no background in psychology are not required to submit scores on the subject component of the GRE. We highly recommend to all other students to submit scores on the subject component of the GRE. If you did not take the GRE subject test and are accepted into the program, you may be asked to take it in April. All applicants must take the GRE if they have studied in an English-speaking university. Canadians who have not studied in an English institution are not required to submit GRE. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone) must submit a TOEFL score ([www.ets.org/toefl](http://www.ets.org/toefl));
7. a personal statement (sent separately or completed on the online application form, “applicant statement”). Describe in as much detail as possible your interests in psychology and your career goals. Also indicate the area of psychology that you want to study (e.g., developmental, social, etc.) and the name of one or more staff members with whom you would like to work.
Supporting documents are submitted directly to the Department of Psychology:

Graduate Admissions
Department of Psychology
McGill University
1205 Dr. Penfield Avenue
Montreal, QC H3A 1B1
Canada

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application dates for guaranteed consideration and that applications for scholarships and fellowships should be submitted through their home university.

15.11.21.4 Psychology Faculty

Chair
David Zuroff

Emeritus Professors
A.S. Bregman; M.A.(Tor.), Ph.D.(Yale)
D. Donderi; B.A., B.Sc.(Chic.), Ph.D.(C’nell)
V. Douglas; B.A.(Qu.), M.A., M.S.W., Ph.D.(Mich.)
A.A.J. Marley; B.Sc.(Birm.), Ph.D.(Penn.)
R. Melzack; B.Sc., M.Sc., Ph.D.(McG.) (E.P. Taylor Emeritus Professor of Psychology)
P. Milner; B.Sc.(Leeds), M.Sc., Ph.D.(McG.)
J.O. Ramsay; B.Ed.(Alta.), Ph.D.(Princ.)

Professors
F.E. Aboud; B.A.(Tor.), M.A., Ph.D.(McG.)
M. Baldwin; B.A.(Tor.), M.A., Ph.D.(Wat.)
I.M. Binik; B.A.(NYU), M.A., Ph.D.(Penn.)
B. Ditto; B.S.(Iowa), Ph.D.(Ind.)
K.B.J. Franklin; B.A., M.A.(Auck.), Ph.D.(Lond.)
F.H. Genesee; B.A.(W. Ont.), M.A., Ph.D.(McG.)
R. Koestner; B.A., Ph.D.(Roch.)
J. Lydon; B.A.(Notre Dame), M.A., Ph.D.(Wat.)
J. Mogil; B.Sc.(Tor.), Ph.D.(Calif.-LA) (E.P. Taylor Professor of Psychology)
D.S. Moskowitz; B.S.(Kirkland), M.A., Ph.D.(Conn.)
Y. Oshima-Takane; B.A.(Tokyo Women’s Christian U.), M.A.(Tokyo), Ph.D.(McG.)
D.J. Ostry; B.A.Sc., M.A.Sc., Ph.D.(Tor.)
C. Palmer; B.Sc.(Mich.), M.Sc.(Rutg.), Ph.D.(C’nell)
M. Petrides; B.Sc., M.Sc.(Lond.), Ph.D.(Cant.)
R.O. Pihl; B.A.(Lawrence), Ph.D.(Ariz.)
B. Sherwin; B.A., M.A., Ph.D.(C’dia) (James McGill Professor)
T.R. Shultz; B.A.(Minn.), Ph.D.(Yale)
M. Sullivan; B.A.(McG), M.A., Ph.D.(C’dia)
Y. Takane; B.L., M.A.(Tokyo), Ph.D.(N. Carolina)
D.M. Taylor; M.A., Ph.D.(W. Ont.)
N. White; B.A.(McG.), M.A., Ph.D.(Pitt.)
### Professors
D.C. Zuroff; B.A.(Harv.), M.A., Ph.D.(Conn.)

### Associate Professors
A.G. Baker; B.A.(Br. Col.), M.A., Ph.D.(Dal.)
E.S. Balaban; B.A.(Mich. St.), Ph.D.(Rockefeller)
H. Hwang; B.A.(Chung-Ang), Ph.D.(McG.)
B. Knauper; Dr. phil.(Germany, Mannheim)
D.J. Levitin; A.B.(Stan.), M.S., Ph.D.(Ore.) (*Bell Professor of Psychology and E-Commerce*)
M.J. Mendelson; B.Sc.(McG.), A.M., Ph.D.(Harv.)
K. Nader; B.Sc., Ph.D.(Tor.)
G. O’Driscoll; B.A.(Welles.), Ph.D.(Harv.) (*William Dawson Scholar*)
K. Onishi; B.A.(Brown), M.A., Ph.D.(Ill.)
M. Pompeiana; M.D., Ph.D.(Pisa)
Z. Rosberger; B.Sc.(McG.), M.A., Ph.D.(C’dia) (*Part-time*)
D. Titone; B.A.(NYU), M.A., Ph.D.(SUNY, Binghamton)

### Assistant Professors
I. Bradley; B.Sc., M.Sc.(Tor.), Ph.D.(Wat.) (*Part-time*)
Y. Chudasama; B.Sc., Ph.D.(Cardiff)
M. Dirks; B.A.(McM.), M.S., M.Phil., Ph.D.(Yale)
J. Ristic; B.A., M.A., Ph.D.(Br. Col.)
H.-T. Yu; B.S.(Taiwan), M.S., M.A., Ph.D.(Ill.-Urbana-Champaign)

### Lecturers
R. Amsel, P. Carvajal

### Associate Members

#### Anesthesia
T. Coderre

#### Douglas Hospital Research Centre
S. King, J. Pruessner, H. Steiger

#### Jewish General Hospital
P. Zelkowitz

#### McGill Vision Research Centre
C. Baker, R. Hess, F.A.A. Kingdom, K. Mullen

#### Montreal Neurological Institute

#### Music
S. MacAdams

#### Psychiatry
D. Dunkley, M. Leyton, A. Raz

#### School of Nursing, Psychiatry
F. Abbott

### Adjunct Professors
M. Bruck, S. Burstein, P. Delisle, P. Gregoire, D. Sookman, P. Zelazo

### Affiliate Member
L. Kowski (*Medicine*)

### Part-Time Appointments
15.11.21.5 Master of Arts (M.A.); Psychology (Thesis) (45 credits)

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage in the Ph.D. program. There is no M.A. or M.Sc. program in Clinical Psychology.

**Thesis Courses (27 credits)**

- PSYC 690 (15) Masters Research 1
- PSYC 699 (12) Masters Research 2

**Required Courses (18 credits)**

- PSYC 601 (6) Master's Comprehensive
- PSYC 650 (3) Advanced Statistics 1
- PSYC 651 (3) Advanced Statistics 2
- PSYC 660D1 (3) Psychology Theory
- PSYC 660D2 (3) Psychology Theory

15.11.21.6 Doctor of Philosophy (Ph.D.); Psychology

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

**Thesis**

**Required Course (6 credits)**

- PSYC 701 (6) Doctoral Comprehensive Examination

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language. However, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's degree then the following courses are also required:

- PSYC 650 (3) Advanced Statistics 1
- PSYC 651 (3) Advanced Statistics 2
- PSYC 660D1 (3) Psychology Theory
- PSYC 660D2 (3) Psychology Theory

15.11.21.7 Doctor of Philosophy (Ph.D.); Psychology — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Psychology. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

**Thesis**

**Required Courses (14 credits)**

- EDSL 711 (2) Language Acquisition Issues 3
- LING 710 (2) Language Acquisition Issues 2
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 701</td>
<td>(6)</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
<tr>
<td>PSYC 709</td>
<td>(2)</td>
<td>Language Acquisition Issues 1</td>
</tr>
<tr>
<td>SCSD 712</td>
<td>(2)</td>
<td>Language Acquisition Issues 4</td>
</tr>
</tbody>
</table>

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's degree then the following courses are also required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 650</td>
<td>(3)</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>(3)</td>
<td>Advanced Statistics 2</td>
</tr>
<tr>
<td>PSYC 660D1</td>
<td>(3)</td>
<td>Psychology Theory</td>
</tr>
<tr>
<td>PSYC 660D2</td>
<td>(3)</td>
<td>Psychology Theory</td>
</tr>
</tbody>
</table>

**Complementary Courses (9 credits)**

One graduate-level course in statistics, such as:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPE 676</td>
<td>(3)</td>
<td>Intermediate Statistics</td>
</tr>
<tr>
<td>EDPE 682</td>
<td>(3)</td>
<td>Univariate/Multivariate Analysis</td>
</tr>
<tr>
<td>PSYC 650</td>
<td>(3)</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>(3)</td>
<td>Advanced Statistics 2</td>
</tr>
</tbody>
</table>

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

Two courses selected from the following list, at least one course must be outside the Department of Psychology:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 620</td>
<td>(3)</td>
<td>Critical Issues in Second Language Education</td>
</tr>
<tr>
<td>EDSL 623</td>
<td>(3)</td>
<td>Second Language Learning</td>
</tr>
<tr>
<td>EDSL 624</td>
<td>(3)</td>
<td>Educational Sociolinguistics</td>
</tr>
<tr>
<td>EDSL 627</td>
<td>(3)</td>
<td>Classroom-Centred Second Language Research</td>
</tr>
<tr>
<td>EDSL 629</td>
<td>(3)</td>
<td>Second Language Assessment</td>
</tr>
<tr>
<td>EDSL 632</td>
<td>(3)</td>
<td>Second Language Literacy Development</td>
</tr>
<tr>
<td>EDSL 664</td>
<td>(3)</td>
<td>Second Language Research Methods</td>
</tr>
<tr>
<td>LING 555</td>
<td>(3)</td>
<td>Language Acquisition 2</td>
</tr>
<tr>
<td>LING 590</td>
<td>(3)</td>
<td>Language Acquisition and Breakdown</td>
</tr>
<tr>
<td>LING 651</td>
<td>(3)</td>
<td>Topics in Acquisition of Phonology</td>
</tr>
<tr>
<td>LING 655</td>
<td>(3)</td>
<td>Theory of L2 Acquisition</td>
</tr>
<tr>
<td>LING 755</td>
<td>(3)</td>
<td>Advanced Seminar: Language Acquisition</td>
</tr>
<tr>
<td>PSYC 734</td>
<td>(3)</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>PSYC 735</td>
<td>(3)</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>PSYC 736</td>
<td>(3)</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>PSYC 737</td>
<td>(3)</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>SCSD 619</td>
<td>(3)</td>
<td>Phonological Development</td>
</tr>
<tr>
<td>SCSD 632</td>
<td>(3)</td>
<td>Phonological Disorders: Children</td>
</tr>
</tbody>
</table>
SCSD 633 (3) Language Development
SCSD 637 (3) Developmental Language Disorders 1
SCSD 643 (3) Developmental Language Disorders 2
SCSD 652 (3) Advanced Research Seminar 1
SCSD 653 (3) Advanced Research Seminar 2

15.11.21.8 Doctor of Philosophy (Ph.D.); Psychology — Psychosocial Oncology

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the PSO coordinating committee.

Thesis

Required Courses (12 credits)

NUR2 705 (3) Palliative Care
NUR2 783 (3) Psychosocial Oncology Research
PSYC 701 (6) Doctoral Comprehensive Examination

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language, however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master’s then the following courses are also required:

PSYC 650 (3) Advanced Statistics 1
PSYC 651 (3) Advanced Statistics 2
PSYC 660D1 (3) Psychology Theory
PSYC 660D2 (3) Psychology Theory

Complementary Course (3 credits)

One of the following courses:

PSYC 507 (3) Emotions, Stress, and Illness
PSYC 753 (3) Health Psychology Seminar 1
SWRK 609 (3) Understanding Social Care
SWRK 668 (3) Living with Illness, Loss and Bereavement

15.11.22 Quebec Studies / Études sur le Québec

15.11.22.1 Location

Quebec Studies Program / Programme d'études sur le Québec
Ferrier Building, Room 332
840 Dr. Penfield Avenue
Montreal, QC H3A 1A4
Canada

Telephone: 514-398-3960
Fax: 514-398-3959
Website: www.mcgill.ca/qcst
15.11.22.2 About Quebec Studies / Études sur le Québec

In 1963, McGill University established a French Canada Studies program. Some of the energies and resources of the program are devoted to research on Quebec and French Canada. In 1992, the name of the program was changed to Quebec Studies to reflect its central focus.

The program is offered at the undergraduate level. Should their main field of study be Quebec, graduate students must apply to the relevant departments.

Graduate students taking courses dealing in whole or in part with Quebec, or who are studying Quebec as their special field of study, are welcome to make use of the facilities of the Quebec Studies program.

En 1963, le Programme d'études canadiennes-françaises fut créé à l'Université McGill. En collaboration avec les autres départements de l'Université, le programme a notamment pour but de développer la recherche sur divers aspects du Québec et du Canada français. Depuis 1992, l'appellation du programme a été modifiée pour celle de Programme d'études sur le Québec afin de refléter clairement les objectifs poursuivis.

Les activités du programme se concentrent au premier cycle. Les étudiants qui désirent poursuivre des études en vue de l'obtention d'une maîtrise ou d'un doctorat portant sur le Québec doivent s'adresser aux départements concernés.

Les étudiants dont les cours portent, en tout ou en partie, sur le Québec ou qui se spécialisent dans ce domaine, sont toutefois invités à se prévaloir des services du Programme d'études sur le Québec.

15.11.23 Russian and Slavic Studies

15.11.23.1 Location

Department of Russian and Slavic Studies
688 Sherbrooke Street West, Suite 425
Montreal, QC H3A 3R1
Canada

Telephone: 514-398-3639
Fax: 514-398-1748
Email: russian.slavicstudies@mcgill.ca
Website: www.mcgill.ca/russian

15.11.23.2 About Russian and Slavic Studies

Master’s and Ph.D. in Russian

The Department of Russian and Slavic Studies of McGill University offers graduate instruction at both the M.A. and Ph.D. levels. Our faculty specializes in 19th- and 20th-century Russian literature and culture, working in such areas as the Russian Novel, Dostoevsky, Chekhov, Russian Modernism, Russian Romanticism, High Stalinist Culture, Post-Soviet culture, cultural mythology, intertextuality, and women's studies. The list of current graduate courses attests to the range and diversity of approaches in the Department. We offer a broad and flexible range of graduate seminars. Current graduate students collaborate with the Department of Art History and Communication Studies and with the McGill Centre for Research and Teaching on Women (MCRTW). Our small but dynamic program allows for a great deal of personal attention, an atmosphere of collegiality, and a close-knit intellectual community. The candidate for admission must have an aptitude for research work and be able to make an original contribution to knowledge. Particular emphasis is placed on working with the original language; credits may be allotted, at the discretion of the Department, to coursework leading to advanced proficiency in this area.

Ph.D. Language Tests

Ph.D. candidates in other departments who require Russian for research and in satisfaction of the language requirement should contact the Department for recommended courses.

Original research work and the scholarly qualities of the thesis are the principal criteria for conferring a graduate degree in Russian.

section 15.11.23.5: Master of Arts (M.A.); Russian (Thesis) (48 credits)

The M.A. in Russian and Slavic Studies consists of coursework plus a research component which consists of an M.A. thesis proposal and an M.A. thesis.

section 15.11.23.6: Doctor of Philosophy (Ph.D.); Russian

The Ph.D. in Russian and Slavic Studies consists of coursework, multiple examinations, language requirements, and dissertation.

15.11.23.3 Russian and Slavic Studies Admission Requirements and Application Procedures

15.11.23.1 Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply and are outlined in the General Information and Regulations section of the Calendar.
The minimum academic requirement is normally a high standing in an undergraduate degree with Honours Russian (or an equivalent specialization). Further, the Department must be convinced that the candidate for admission has an aptitude for research work and will be able to make an original contribution to knowledge.

A working knowledge of French is recommended for the Ph.D. program.

Any necessary preparation to fulfill these requirements will be offered within the Department or elsewhere at McGill. Certain graduate courses may be taken by arrangement at approved universities.

15112332 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. two certified copies of all university transcripts (all transcripts not in English or French must be accompanied by a certified English or French translation);
3. two letters of recommendation (in English or French);
4. $100 application fee;
5. test results; TOEFL (required of all applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). Minimum score of 86, with each component score not less than 20, required on the Internet-based TOEFL examination. Proof of TOEFL must be presented at time of application or shortly thereafter);
6. a sample of written work;
7. statement of academic intent;
8. interview, where appropriate, if necessary by telephone, with members of the Department Graduate Committee.

All information must be submitted to the Graduate Coordinator, Department of Russian and Slavic Studies.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

McGill’s online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

1511234 Russian and Slavic Studies Faculty

Chair

L. Beraha

Graduate Director

L. Parts

Associate Professors

L. Beraha; B.A., M.A., Ph.D. (McG.)
L. Parts; M.A., Ph.D. (Col.)

1511235 Master of Arts (M.A.); Russian (Thesis) (48 credits)

Thesis Courses (30 credits)
The Thesis Proposal is normally submitted for review by the Department Graduate Committee at the end of the second term of residency. Candidates should consult the Department Thesis Proposal Guidelines.

RUSS 691 (6) M.A. Thesis Proposal
RUSS 692 (24) M.A. Thesis

Complementary Courses (18 credits)

12-18 credits of graduate coursework in the Department

0-6 credits of graduate coursework outside the Department, subject to approval by the Department Graduate Committee.

RUSS 600 and RUSS 601 will be added as complementary courses if the Department deems it necessary.
15.11.23.6 Doctor of Philosophy (Ph.D.); Russian

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUSS 700</td>
<td>(0)</td>
<td>Ph.D. Tutorial</td>
</tr>
<tr>
<td>RUSS 701</td>
<td>(0)</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>RUSS 702</td>
<td>(0)</td>
<td>Ph.D. Thesis Proposal</td>
</tr>
</tbody>
</table>

Depending on their individual background, students may be asked to take additional coursework as approved by the Department Graduate Committee.

Students must complete two of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUSS 750</td>
<td>(0)</td>
<td>History of Russian Language</td>
</tr>
<tr>
<td>RUSS 760</td>
<td>(0)</td>
<td>Pre-Petrine Foundation</td>
</tr>
<tr>
<td>RUSS 770</td>
<td>(0)</td>
<td>18th Century Foundation</td>
</tr>
</tbody>
</table>

Language Requirement

Proficiency in Russian, functional ability in English and in French, and proficiency in a second Slavic language, if relevant to the research topic and where deemed appropriate by the Department Graduate Committee.

15.11.24 Social Studies of Medicine

15.11.24.1 Location

Department of Social Studies of Medicine

3647 Peel Street, 2nd Floor
Montreal, QC H3A 1X1
Canada

Telephone: 514-398-6033
Fax: 514-398-1498
Email: ssom@mcgill.ca
Website: www.mcgill.ca/ssom

15.11.24.2 About Social Studies of Medicine

The Department (SSOM) offers graduate studies in three programs:

- one in medical anthropology, given jointly with the Department of Anthropology;
- one in medical history, given jointly with the Department of History and Classical Studies; and
- two in medical sociology, given jointly with the Department of Sociology.

In each program, the student may work toward the M.A. and Ph.D. degrees. All degrees are awarded by the relevant Faculty of Arts department. For further information regarding those departments, please consult the Anthropology, History, or Sociology sections.

The Department (SSOM) is interdisciplinary, having faculty in the fields of medical anthropology, medical history, and medical sociology. In its programs of graduate studies, it attempts to provide two things: a training that is solidly grounded in the discipline of the chosen program, i.e., in anthropology, history, or sociology; and, through seminars and interaction with Department members and other graduate students, exposure to the other disciplines that are represented in the Department. The Department aims to instill in its graduates a combination of disciplinary competence and interdisciplinary perspective.

section 15.11.1.10: Master of Arts (M.A.); Medical Anthropology (Thesis) (48 credits)

The program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences. The M.A. degree is awarded by the Anthropology Department and admission is granted by a joint admissions committee made up of representatives from Anthropology and the Department of Social Studies of Medicine.
section 15.11.12.13: Master of Arts (M.A.); History of Medicine (Non-Thesis) (45 credits)

The program requires the completion of 45 credits, composed of required courses, graduate seminars, plus a major research paper. The program is normally completed in three terms, or one calendar year.

section 15.11.26.9: Master of Arts (M.A.); Sociology (Thesis) — Medical Sociology (48 credits)

This includes 18 credits of coursework and a research thesis that is based on original research (30 credits).

section 15.11.26.14: Master of Arts (M.A.); Sociology (Non-Thesis) — Medical Sociology (45 credits)

This includes 27 credits of coursework and a research paper based on original research (18 credits).

Ph.D. Programs

For information on the doctoral programs, please refer to the appropriate Department – section 15.11.1: Anthropology, section 15.11.12: History and Classical Studies, or section 15.11.26: Sociology.

15.11.24.3 Social Studies of Medicine Admission Requirements and Application Procedures

15112431 Admission Requirements

M.A. in Medical Anthropology

The program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences.

M.A. in the History of Medicine

Candidates must have a background in either history (Honours B.A. in History or equivalent) or a degree in one of the health professions.

M.A. in Medical Sociology

The program is open to students with a background in social sciences, health professions, or health sciences. It aims to prepare candidates for a career of teaching and research in medical sociology, and there is consequently a preference for applicants with the potential to proceed to the doctoral degree.

Ph.D. Programs

Candidates for a Ph.D. will normally have taken their M.A. in the same field. Please refer to the appropriate department – Anthropology, History, or Sociology.

15112432 Application Procedures

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

M.A. in Medical Anthropology

Admission is granted by a joint admissions committee made up of representatives from Anthropology and SSOM.

For details concerning applications, teaching assistantships, fellowships, etc., see the Department of Anthropology: www.mcgill.ca/anthropology/graduate/ma.

M.A. in the History of Medicine

Application is made directly to the Department of History and Classical Studies. For details, see the Department of History and Classical Studies: www.mcgill.ca/history/graduate/ma.

M.A. in Medical Sociology

Admission is granted by a joint admissions committee made up of representatives from Sociology and SSOM. For details concerning applications, teaching, assistantships, fellowships, etc., see the Department of Sociology: www.mcgill.ca/sociology/grad/requirements.

Ph.D. Programs

Please refer to the appropriate department – Anthropology, History, or Sociology.

15.11.24.4 Social Studies of Medicine Faculty

Chair

Alberto Cambrosio

Emeritus Professor

Margaret Lock; B.Sc.(Leeds), M.A., Ph.D.(Calif., Berk.) (Marjorie Bronfman Professor in Social Studies in Medicine)

Professors

Alberto Cambrosio; M.Env.(Sher.), Ph.D.(Montr.)

Thomas Schlich; M.D.(Marburg), Ph.D.(Freiburg) (Canada Research Chair in History of Medicine)
Professors

Andrea Tone; M.A., Ph.D.(Emory) (*Canada Research Chair in the Social History of Medicine*)

George Weisz; M.A., Ph.D.(SUNY), Dr. 3rd Cycle(Paris) (*Cotton-Hannah Professor of the History of Medicine*)

Allan Young; M.A.(Wash.), B.A., Ph.D.(Penn.) (*Marjorie Bronfman Professor in Social Studies in Medicine*)

Associate Professors

Jonathan Kimmelman; M.A., Ph.D.(Yale)

Faith E. Wallis; M.A., M.L.S.(McG.), Ph.D.(Tor.)

Assistant Professor

Tobias Rees; M.A.(Tübingen), Ph.D.(Calif., Berk.)

Assistant Professors (Primary Appointment: Biomedical Ethics Unit)

Jennifer Fishman; M.A.(Calif., Irvine), Ph.D.(Calif.)

Nicholas King; M.A., Ph.D.(Harv.)

Adjunct Professor

Cornelius Borck; M.A., M.D.(Free Univ., Berlin), Ph.D.(Lond.)

15.1.25 Social Work

15.1.25.1 Location

School of Social Work
Wilson Hall
3506 University Street, Suite 300
Montreal, QC H3A 2A7
Canada

Telephone: 514-398-7070
Fax: 514-398-4760
Email: graduate.socialwork@mcgill.ca
Website: www.mcgill.ca/socialwork

15.1.25.2 About Social Work

The School of Social Work offers dynamic M.S.W. and Ph.D. programs, designed to explore cutting edge knowledge on social work theory, practice, policy, and research. We have an exciting and growing faculty with a variety of research and practice expertise in the fields of: child welfare; health, mental health, and disability; poverty; aging; First Peoples'; marginalized groups (e.g., immigrants and refugees, war affected populations, gay, lesbian, bisexual and transgender people); loss and bereavement; domestic violence; and international social work. Our approaches to practice and research cover all levels of intervention from individuals, families, groups, and communities. Located within the School of Social Work are specialized centres devoted to research and training in the areas of domestic violence, children and families, and international human rights. Graduate students also have access to workstations equipped with computers, and many professional development workshops and seminars. Several research assistantships and teaching assistantships are available each year.

The McGill School of Social Work is a member of the International Association of Schools of Social Work, the Canadian Association for Social Work Education, and of the *Rassemblement des Unités de Formation Universitaire en Travail Social du Québec*.

The School of Social Work is a professional school with the primary objective of preparing students for careers and for leadership in the fields of social work and social welfare.

M.S.W. Program

The overarching objective of the master's program is the provision of advanced professional training by means of integrated learning experiences. Specifically, the educational goals are to:

1. develop a deepened and advanced competence in practice and research;
2. embrace a capacity for critical understanding of social theories, social problems, and emergent issues; and
3. understand population groups in need, institutional structures, and policy initiatives and processes.

The M.S.W. degree can be pursued via two options: Thesis and Non-Thesis. Both options carry a weight of 45 credits, and, taken on a full-time basis, both options involve three terms of study. In both options, part-time study can be arranged.

Ph.D. Program in Social Work

The School of Social Work offers a dynamic Ph.D. program in social work/social policy in order to promote the development of scholarship on social issues within Canada and Quebec. Courses are offered in English at McGill. A parallel stream is offered in French at Université de Montréal. Students have the option of taking courses at either university.

The program aims to:

1. prepare graduates for careers in university teaching and research, policy development, implementation and evaluation, practice and program evaluation, leadership and management of human services;
2. offer students the opportunity to acquire research methodology skills and to apply these to a range of areas relevant to social work; and
3. stimulate original research on important social problems and issues.

Note: While not a prerequisite for admission, possession of a working knowledge of the French language is important not only to candidates who intend to seek admission to the Quebec professional Ordre after graduation but also to those who wish to maximize their field placement opportunities during their program. In consultation with the Field Education Coordinator, students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

section 15.11.25.5: Master of Social Work (M.S.W.); Social Work (Thesis) (45 credits)

The M.S.W. thesis option is designed for students who have a keen interest to develop an advanced intellectual understanding and a specialized set of research skills in one of three areas: Children and Families, Social Care and Health Studies, or Community and International Development. Program requirements are a thesis and six courses, two of which are required, taken over an extended period of three to four terms of full-time study. Prospective students possess a B.S.W. degree with prior practice experience. Subsequent career paths are varied and lead to exciting opportunities in social services and community organizing, where social workers undertake clinical, leadership, or policy roles.

section 15.11.25.6: Master of Social Work (M.S.W.); Social Work (Non-Thesis) (45 credits)

The M.S.W. non-thesis option is designed for students who have a keen interest to develop an advanced intellectual understanding and a specialized set of practice skills in one of three areas: Children and Families, Social Care and Health Studies, or Community and International Development. This program includes three semesters of full-time study comprised of coursework, professional education in a supervised field placement, and independent research. Prospective students possess a B.S.W. degree with prior practice experience. Subsequent career paths are varied and lead to exciting opportunities in social services and community organizing, where social workers undertake clinical, leadership, or policy roles.

section 15.11.25.7: Joint Master of Social Work (M.S.W.) with B.C.L. and LL.B. (132 credits)

The School of Social Work and the Faculty of Law offer a Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law/Bachelor of Laws (B.C.L./LL.B.) designed to transcend academic boundaries in social justice issues. Lawyers and social workers often operate in the same fields, whether in public policy, child protection, family law, poverty law, or domestic violence situations, yet each profession has been constrained by internal limitations. The joint M.S.W. (non-thesis option)/Law program requires students to complete 132 credits (45 credits in M.S.W., 87 credits in Law). Students should take three and a half to four years to complete the M.S.W./B.C.L./LL.B. program. It is possible, however, to complete the program in three years, by doing work for credit over the summer and by carrying heavier course loads throughout the program. The joint program leads to conferral of the B.C.L./LL.B. law degrees and the master’s degree in social work. Prospective students possess a B.S.W. degree with prior practice experience.

section 15.11.25.8: Doctor of Philosophy (Ph.D); Social Work - (offered jointly by McGill and Université de Montréal)

As one of the top Ph.D. programs in Canada, the School of Social Work promotes leading scholarship on social policy and practice. Over the course of three to four years, working closely with their supervisor, students pursue individualized programs of study which include coursework, research, and professional development. Faculty have expertise in a variety of areas such as aging, social exclusion, child welfare, international social welfare, psychosocial approaches to intervention, Aboriginal people and communities, violence against women and children, health and disability, poverty and social development, migration and community organizing. Students normally take two semesters of coursework after which they complete a comprehensive exam. In the second year of the program students begin their thesis work and take a course designed to facilitate the research process. Research and writing usually takes between one and two years to complete. McGill offers entrance fellowships, access to computers and library resources, and active student networks. There are many opportunities to be involved in faculty research projects and sessional teaching. Students go on to careers in teaching, organizational leadership, and social policy analysis.

15.11.25.3 Social Work Admission Requirements and Application Procedures
15.11.25.3.1 Admission Requirements

M.S.W. Program

Students who have successfully completed a B.S.W., with a minimum B average (GPA 3.0/4.0), and who have completed coursework in statistics and in research methods at the undergraduate level are admissible to the Master of Social Work program. Normally, applicants will have professional experience in social service work, or related experience, subsequent to obtaining the B.S.W.
Students who have successfully completed all requirements in the first year of the 60-credit (two-year) B.S.W. program in the School of Social Work at McGill University are also eligible to apply to the M.S.W. program. These students must have an overall B average (GPA 3.0/4.0), professional or related experience in social service work prior to entering the two-year B.S.W. program, completed coursework in statistics at the undergraduate or CEGEP level, and completed coursework in research methods at the undergraduate level.

**Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (L.L.B.)**

Students must apply separately for admission to each Faculty. Students must meet or surpass the requirements for admission to both the M.S.W. program and to Law and must submit a brief statement explaining their interest in this joint program.

**Ph.D. Program**

Students apply directly to the School of Social Work. Applicants applying to the Ph.D. program must hold a master's degree in social work or, exceptionally, a bachelor's degree in social work with a master's degree in a related subject from an accredited program. However, applicants who hold a master's degree in a related social science discipline with strong research interests and experience in social work/social policy may also be considered. All students must also have completed coursework in statistics and in research methods.

Criteria considered in weighing applications include:

- quality of the student's research project;
- conviction/motivation demonstrated in the personal statement;
- ‘fit’ between the proposed research project and faculty research interest.

A professor has to agree to act as thesis supervisor before the student is formally admitted to the program.

**15.11.2532 Application Procedures**

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. Applications will only be considered upon receipt of all required documents.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available.

- **Test of English as a Foreign Language (TOEFL)** – International applicants must achieve a minimum score of 577 on the paper-based test or 90* on the Internet-based test.
  * each individual component of reading, writing, listening, and speaking must have a minimum score of 21.

- **The International English Language Testing System (IELTS)** – International applicants must achieve a minimum overall band score of 7.0**.
  ** each individual component of reading, writing, listening, and speaking must have a minimum score of 6.0.

All documents must be submitted to the School of Social Work, attention: Ms. Lillian Iannone, Student Affairs Coordinator.

McGill's online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**15.11.254 Social Work Faculty**

**Director**

Dr. Wendy Thomson

**Professors**

Linda Davies; B.S.W., M.S.W.(McG.), Ph.D.(N. Lond. Poly.)

Wendy Thomson; B.S.W., M.S.W.(McG.), Ph.D.(Brist.)

James Torczyner; B.H.L.(Yeshiva), M.S.W., D.S.W.(Calif.)

Nico Trocmé; B.A., M.S.W., Ph.D.(Tor.) (*The Philip Fisher Chair in Social Work*)

**Associate Professors**

Shari Brotman; B.S.W., M.S.W.(McG.), Ph.D.(Tor.)

Myriam Denov; B.A.(Tor.), B.S.W.(McG.), M.A.(Ott.), Ph.D.(Camb.)

Sydney Duder; B.Sc., M.S.W., Dipl. Adv. Soc. Wk. Practice, Ph.D.(McG.)

Amanda Grenier; B.S.W.(Windsor); M.S.W., Ph.D.(McG.)
**Associate Professors**

Estelle Hopmeyer; B.A., M.S.W.(McG.)

Julia Krane; B.A.(Ott.), B.S.W.(McG.), M.S.W., Ph.D.(Tor.)

Lucyna Lach; B.A., M.S.W., Ph.D.(Tor.)

**Assistant Professors**

Sharon Bond; B.A. (Sir G. Wms.), B.Sc.(Montr.), M.S.W., Ph.D.(McG.)

Delphine Collin-Vézina; B.Sc., Ph.D.(Montr.)

Isabelle Dumont; B.A., M.A., Ph.D.(Laval)

Jill Hanley; B.A., B.S.W.(McG.), M.A.(Tufts), Ph.D.(Montr.)

Nicole Ives; B.A. (Col.), M.S.W., Ph.D.(Penn.)

David Rothwell; B.A.(Pitzer), M.S.W.(Tulane), Ph.D.(Hawaii)

Tamara Sussman; B.A., B.S.W., M.S.W.(McG), Ph.D.(Tor.)

**Professor of Practice in Public Policy and Global Health Diplomacy**

Nick Drager; B.Sc., M.D., C.M.(McG.), Ph.D.(Geneva)

**Coordinator of Field Education**

Francine Granner; B.S.W., M.S.W.(McG.)

**Associate Coordinator of Field Education**

Karen Hetherington; B.A.(C’dia), M.A.(Montr.)

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**15.11.25.5 Master of Social Work (M.S.W.); Social Work (Thesis) (45 credits)**

The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students develop an understanding of a broad range of theories which inform practice, policy, and research. Envisioned as an opportunity to advance knowledge and skills, students are encouraged to immerse themselves in an area of scholarship and practice related to "Children and Families", "Social Care and Health Studies", and "Community and International Development". In addition, students investigate a subject matter of their choice in one of these broad areas of study through an independent study project or a master’s thesis. Through the M.S.W. program, students develop critical and innovative approaches to practice competence and to policy analysis such that they may contribute to both established social services and to new and less developed areas of service provision.

**Thesis Courses (27 credits)**

SWRK 698 (12) Thesis Research 1

SWRK 699 (15) Thesis Research 2

**Required Courses (6 credits)**

SWRK 643 (3) Research Methods 2

SWRK 653 (3) Research Methods 1

**NOTE:**

While not a prerequisite for admission, possession of a working knowledge of the French language is important not only to candidates who intend to seek admission to the Quebec professional Ordre after graduation but also to those who wish to maximize their field placement opportunities during their program. In consultation with the Field Education Coordinator, students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

**Elective Courses (12 credits)**

12 credits of SWRK 500- or 600- level courses; up to 6 credits in total may be taken outside the Department.
The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students develop an understanding of a broad range of theories which inform practice, policy, and research. Envisioned as an opportunity to advance knowledge and skills, students are encouraged to immerse themselves in an area of scholarship and practice related to "Children and Families", "Social Care and Health Studies", and "Community and International Development". In addition, students investigate a subject matter of their choice in one of these broad areas of study through an independent study project or a master's thesis. Through the M.S.W. program, students develop critical and innovative approaches to practice competence and to policy analysis such that they may contribute to both established social services and to new and less developed areas of service provision.

**Research Project (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 690</td>
<td>9</td>
<td>Independent Study Project</td>
</tr>
</tbody>
</table>

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 643</td>
<td>3</td>
<td>Research Methods 2</td>
</tr>
<tr>
<td>SWRK 650</td>
<td>3</td>
<td>Field Work Practicum 1</td>
</tr>
<tr>
<td>SWRK 651</td>
<td>3</td>
<td>Field Work Practicum 2</td>
</tr>
<tr>
<td>SWRK 653</td>
<td>3</td>
<td>Research Methods 1</td>
</tr>
<tr>
<td>SWRK 660</td>
<td>6</td>
<td>Field Work Practicum 3</td>
</tr>
</tbody>
</table>

**NOTE:**

While not a prerequisite for admission, possession of a working knowledge of the French language is important not only to candidates who intend to seek admission to the Quebec professional Ordre after graduation but also to those who wish to maximize their field placement opportunities during their program. In consultation with the Field Education Coordinator, students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

**Elective Courses (18 credits)**

18 credits of 500 or 600 level courses; up to 6 credits in total may be taken outside the Department.

Students in both M.S.W. options are invited to take up to two courses in other departments of the University in areas of study not offered in the School of Social Work. Students also have the option of taking equivalent research methodology courses offered in other departments to fulfill the research requirement. All students must secure the approval of their adviser prior to registration for such courses.

**Joint Master of Social Work (M.S.W.) with B.C.L. and LL.B. (132 credits)**

A joint Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) and Bachelor of Laws (LL.B.) program is offered by the School of Social Work and the Faculty of Law.

Students complete 45 credits for the M.S.W. degree and 87 credits for the integrated B.C.L. and LL.B. degrees for a total of 132 credits.

**Required - Social Work (30 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SWRK 643</td>
<td>3</td>
<td>Research Methods 2</td>
</tr>
<tr>
<td>SWRK 650</td>
<td>3</td>
<td>Field Work Practicum 1</td>
</tr>
<tr>
<td>SWRK 651</td>
<td>3</td>
<td>Field Work Practicum 2</td>
</tr>
<tr>
<td>SWRK 653</td>
<td>3</td>
<td>Research Methods 1</td>
</tr>
<tr>
<td>SWRK 660</td>
<td>6</td>
<td>Field Work Practicum 3</td>
</tr>
<tr>
<td>SWRK 691</td>
<td>12</td>
<td>Social Work / Law Independent Study Project</td>
</tr>
</tbody>
</table>

**Complementary - Social Work (15 credits)**

Students complete 15 credits of SWRK 500- or 600-level courses. A total of 6 graduate-level credits may be taken outside the School of Social Work with the approval of the academic adviser.

**Required - Law (49 credits)**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWG 100D1</td>
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<td>Contractual Obligations</td>
</tr>
<tr>
<td>LAWG 100D2</td>
<td>3</td>
<td>Contractual Obligations</td>
</tr>
<tr>
<td>LAWG 101D1</td>
<td>2.5</td>
<td>Extra-Contractual Obligations/Torts</td>
</tr>
<tr>
<td>LAWG 101D2</td>
<td>2.5</td>
<td>Extra-Contractual Obligations/Torts</td>
</tr>
<tr>
<td>PRAC 147D1</td>
<td>1.5</td>
<td>Introductory Legal Research</td>
</tr>
<tr>
<td>PRAC 147D2</td>
<td>1.5</td>
<td>Introductory Legal Research</td>
</tr>
<tr>
<td>PRAC 155D1</td>
<td>1.5</td>
<td>Legal Ethics and Advocacy</td>
</tr>
<tr>
<td>PRAC 155D2</td>
<td>1.5</td>
<td>Legal Ethics and Advocacy</td>
</tr>
<tr>
<td>PROC 124D1</td>
<td>2</td>
<td>Judicial Institutions and Civil Procedure</td>
</tr>
<tr>
<td>PROC 124D2</td>
<td>2</td>
<td>Judicial Institutions and Civil Procedure</td>
</tr>
<tr>
<td>PROC 200</td>
<td>3</td>
<td>Advanced Civil Law Obligations</td>
</tr>
<tr>
<td>PRV1 144D1</td>
<td>2.5</td>
<td>Civil Law Property</td>
</tr>
<tr>
<td>PRV1 144D2</td>
<td>2.5</td>
<td>Civil Law Property</td>
</tr>
<tr>
<td>PRV3 200</td>
<td>3</td>
<td>Advanced Common Law Obligations</td>
</tr>
<tr>
<td>PRV4 144D1</td>
<td>2</td>
<td>Common Law Property</td>
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<tr>
<td>PRV4 144D2</td>
<td>2</td>
<td>Common Law Property</td>
</tr>
<tr>
<td>PUB2 101D1</td>
<td>3</td>
<td>Constitutional Law</td>
</tr>
<tr>
<td>PUB2 101D2</td>
<td>3</td>
<td>Constitutional Law</td>
</tr>
<tr>
<td>PUB2 111</td>
<td>3</td>
<td>Criminal Law</td>
</tr>
<tr>
<td>PUB3 116D1</td>
<td>2</td>
<td>Foundations</td>
</tr>
<tr>
<td>PUB3 116D2</td>
<td>2</td>
<td>Foundations</td>
</tr>
</tbody>
</table>

**Complementary - Law (39 credits)**

Students complete 39 credits of complementary courses toward the B.C.L. and LL.B. degrees.

**Complementary - Law, Civil Law (4.5 credits)**

Students complete 4.5 credits of civil law courses. The following courses count for their full credit weight as civil law.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS2 561</td>
<td>3</td>
<td>Insurance</td>
</tr>
<tr>
<td>LEEV 570</td>
<td>3</td>
<td>Employment Law</td>
</tr>
<tr>
<td>PROC 549</td>
<td>3</td>
<td>Lease, Enterprise, Suretyship</td>
</tr>
<tr>
<td>PRV1 555</td>
<td>3</td>
<td>Successions</td>
</tr>
<tr>
<td>PRV2 270</td>
<td>3</td>
<td>Law of Persons</td>
</tr>
<tr>
<td>PRV4 548</td>
<td>3</td>
<td>Administration Property of Another and Trusts</td>
</tr>
</tbody>
</table>

**Complementary - Law, Common Law (4.5 credits)**

Students complete 4.5 credits of common law courses. The following courses count for their full credit weight as common law.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRV3 534</td>
<td>3</td>
<td>Remedies</td>
</tr>
<tr>
<td>PRV4 451</td>
<td>3</td>
<td>Real Estate Transactions</td>
</tr>
<tr>
<td>PRV4 500</td>
<td>3</td>
<td>Restitution</td>
</tr>
<tr>
<td>PRV4 549</td>
<td>3</td>
<td>Equity and Trusts</td>
</tr>
<tr>
<td>PRV4 556</td>
<td>3</td>
<td>Wills and Estates</td>
</tr>
<tr>
<td>PRV5 582</td>
<td>2</td>
<td>Advanced Torts</td>
</tr>
</tbody>
</table>
Complementary - Law, Civil & Common Law

The following trans-systemic courses count half their credit weight toward the civil law requirement of 4.5 credits and half their credit weight toward the common law requirement of 4.5 credits.

- BUS2 365 (4) Business Associations
- CMPL 522 (3) Medical Liability
- LAWG 200 (3) Commercial Law
- LAWG 273 (3) Family Law
- LAWG 300 (3) Family Property Law
- LAWG 316 (3) Private International Law
- LAWG 400 (4) Secured Transactions
- LAWG 415 (3) Evidence (Civil Matters)
- PRV5 483 (3) Consumer Law

Complementary - Law, Social Diversity and Human Rights (3 credits)

Students must take at least 3 credits from the following courses related to social diversity and human rights.

- CMPL 500 (3) Aboriginal Peoples and the Law
- CMPL 504 (3) Feminist Legal Theory
- CMPL 511 (3) Social Diversity and Law
- CMPL 516 (3) International Development Law
- CMPL 565 (3) International Humanitarian Law
- CMPL 571 (3) International Law of Human Rights
- CMPL 573 (2) Civil Liberties
- CMPL 575 (3) Discrimination and the Law
- LAWG 503 (3) Inter-American Human Rights
- LEEL 582 (3) Law and Poverty
- PUB2 105 (3) Public International Law
- PUB2 500 (3) Law and Psychiatry
- PUB2 502 (3) International Criminal Law
- PUB2 551 (3) Immigration and Refugee Law
- PUB3 515 (3) Canadian Charter of Rights and Freedoms

Complementary - Law, Other Courses (26 credits)

Students select the remaining 26 credits from among Faculty of Law offerings.

15.11.25.8 Doctor of Philosophy (Ph.D); Social Work

(offered jointly by McGill and Université de Montréal)

Thesis

Required Courses

- SWRK 701 (0) Comprehensive Examination
- SWRK 720 (3) Thought and Theory Development in Social Work
- SWRK 721 (3) Advanced Integrative Seminar
Complementary Courses

One of the following courses:

- SWRK 722 (3) Advanced Seminar: Social Work Intervention
- SWRK 723 (3) Advanced Seminar on Social Policy

One of the following courses:

- SWRK 724 (3) Advanced Research Methods and Analysis: Quantitative Data
- SWRK 725 (3) Advanced Qualitative Research Methods and Data Analysis

One course in Social Work or a related discipline.

15.11.26 Sociology

15.11.26.1 Location

Department of Sociology
Stephen Leacock Building, Room 713
855 Sherbrooke Street West
Montreal, QC H3A 2T7
Canada

Graduate Program and Admission Information:
Telephone: 514-398-6847
Fax: 514-398-3403
Email: graduate.sociology@mcgill.ca
Website: www.mcgill.ca/sociology

15.11.26.2 About Sociology


We have particular strengths in the following fields: states and social movements, economy and society, social inequality (class, ethnicity, and gender), deviance and social control, and health and society. It has very high standards and an excellent record of placing students in both academic and non-academic careers from the University of Chicago and Berkeley to Stats Can and as CEGEP teachers. The Department has a stellar record of research publications and a lively graduate program, and we benefit from many new faculty appointments allowing us to contribute to the forefront of current issues. A large number of M.A. programs are offered. Fewer are offered at the Ph.D. level (see below). The Department houses the Social Statistics Unit. This has full access to the resources of StatsCan, with training for students to boot.

Availability of Funding

The Department offers a limited number of teaching assistantships. A full teaching assistantship shall consist of a maximum of 180 hours of work per term. Appointments for a full teaching assistantship span 15 weeks and involve an average of 12 hours per week.

M.A. Program Options

section 15.11.26.5: Master of Arts (M.A.); Sociology (Thesis) (48 credits)

This program provides excellent methodological training, but is principally designed for students who wish to gain a first experience doing original research. Some students have stopped at this stage, more have gone on to higher degree work. Researching and writing a thesis requires considerable effort, and this program typically takes two years to complete.

section 15.11.26.6: Master of Arts (M.A.); Sociology (Thesis) — Development Studies (48 credits)

This program is for students with a particular interest in development, an area in which McGill is very strong. Researching and writing a thesis takes considerable time, and this program typically takes two years to complete. Students enter through one of the participating departments and must meet the
section 15.11.26.6: Master of Arts (M.A.); Sociology (Thesis) — Development Studies (48 credits)

M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the Development Studies Option coordinating committee.

section 15.11.26.7: Master of Arts (M.A.); Sociology (Thesis) — Environment (48 credits)

(not offered in 2011-2012)

section 15.11.26.8: Master of Arts (M.A.); Sociology (Thesis) — Gender and Women’s Studies (48 credits)

This interdisciplinary program is for students who meet the requirements in Sociology and who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and in issues in feminist research and methods. The student’s thesis must be on a topic centrally relating to issues of gender and/or women’s studies. Researching and writing a thesis takes considerable time, and this program typically takes two years to complete.

section 15.11.26.9: Master of Arts (M.A.); Sociology (Thesis) — Medical Sociology (48 credits)

The Sociology Department has particular expertise in social inequality (class, ethnicity, and gender), deviance and social control, and health and society. The Department has a stellar record of research publications and a lively graduate program, and we benefit from many new faculty appointments allowing us to contribute to the forefront of current issues -- in particular those dealing with health systems and with policies concerning HIV/AIDS. The Department has an empirical bent, and we are proud of the training in qualitative and quantitative research methods and in research design that we require of our students. Our Social Statistics Laboratory allows students to make systematic use of quantitative data sources. This program is given jointly by the Department of Sociology and the Department of Social Studies of Medicine. Many students who have chosen this option have gone on to do further research, others to personnel work in the health services. Researching and writing a Thesis takes considerable time, and this program typically takes two years to complete.

section 15.11.26.10: Master of Arts (M.A.); Sociology (Thesis) — Neotropical Environment (48 credits)

(not offered in 2011-2012)

section 15.11.26.11: Master of Arts (M.A.); Sociology (Non-Thesis) (45 credits)

This program is for students who wish to continue from an undergraduate degree in sociology, and those who wish to enter sociology for the first time. McGill is an excellent venue because the program involves rigorous training in methodology. Academically inclined students have gone on to higher degrees, some at McGill and others at other universities; the training offered has allowed others to go to varied careers, not least as teachers in CEGEPs. This program is designed to be completed within twelve months.

section 15.11.26.12: Master of Arts (M.A.); Sociology (Non-Thesis) — Development Studies (45 credits)

This program is for students with a particular interest in development, an area in which McGill is very strong. Many students from this program have gone on to further research, but several have entered the world of non-governmental organizations -- with some going on to work for the U.N. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The research paper must be on a topic related to development studies, approved by the Development Studies Option Coordinating Committee. This program is designed to be completed within twelve months.

section 15.11.26.13: Master of Arts (M.A.); Sociology (Non-Thesis) — Gender and Women's Studies (45 credits)

This interdisciplinary program is for students who meet the degree requirements in Sociology and who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and in issues in feminist research and methods. The student’s research paper must be on a topic centrally relating to issues of gender and/or women’s studies. The program is designed to be completed within twelve months.

section 15.11.26.14: Master of Arts (M.A.); Sociology (Non-Thesis) — Medical Sociology (45 credits)

The Sociology Department has particular expertise in social inequality (class, ethnicity, and gender) and in many issues relating to health and society. The Department has a stellar record of research publications and a lively graduate program, and we benefit from many new faculty appointments allowing us to contribute to the forefront of current issues -- in particular those dealing with health systems and with policies concerning HIV/AIDS. The Department has an empirical bent, and we are proud of the training in qualitative and quantitative research methods and in research design that we require of our students. Our Social Statistics Laboratory allows students to make systematic use of quantitative data sources. This program is given jointly by the Department of Sociology and the Department of Social Studies of Medicine. The program is designed to be completed within twelve months.

section 15.11.26.15: Master of Arts (M.A.); Sociology (Non-Thesis) — Social Statistics (45 credits)

The Sociology Department has particular expertise in states and social movements, economy and society, social inequality (class, ethnicity and gender), deviance and social control, and health and society. This program complements the basic research training with the application of statistical methods to Statistics Canada data (or equivalent). It requires a statistics-based research paper that will normally flow out of a paper written for one of the graduate seminars. Comparable to an article in a professional journal, the paper ought to focus on a clearly defined research problem, demonstrating familiarity with
the most important relevant scholarly work and the ability to carry out research and organize the results of the research. The program is designed to be completed within twelve months.

**Ph.D. Program Options**

section 15.11.26.16: Doctor of Philosophy (Ph.D.); Sociology

The Sociology Department has particular expertise in states and social movements, economy and society, social inequality (class, ethnicity, and gender), deviance and social control, and health and society. The Department has a stellar record of research publications and a lively graduate program, and we benefit from many new faculty appointments allowing us to contribute to the forefront of current issues. There are two ways to enter the program. Some students are fast-tracked, as Ph.D. 1 students: they take twelve substantive courses, in addition to various thesis requirements, and are fully trained in qualitative and quantitative research methods and in research design. Other students, typically those with an M.A. in Sociology are considered Ph.D. 2 students: they typically take six substantive courses, in addition to various thesis requirements -- although further courses may be required if their methodological skills do not meet the standards required by the Department. Our Social Statistics Laboratory allows students to make systematic use of quantitative data sources. All students must pass two area exams, and present a thesis proposal before turning to the thesis itself -- which may take the form of a single piece of research or a set of articles on a particular theme.

section 15.11.26.17: Doctor of Philosophy (Ph.D.); Sociology — Environment

(not offered in 2011-2012)

section 15.11.26.18: Doctor of Philosophy (Ph.D.); Sociology — Gender and Women’s Studies

The Sociology Department has particular expertise in social inequality (class, ethnicity, and gender), deviance and social control, and health and society. The Department has a stellar record of research publications and a lively graduate program, and we benefit from many new faculty appointments allowing us to contribute to the forefront of current issues -- in particular in gender issues relating to social change in post-communist and developing societies. There are two ways to enter the program. Some students are fast-tracked, as Ph.D. 1 students: they take twelve substantive courses, in addition to various thesis requirements, and are fully trained in qualitative and quantitative research methods and in research design. Other students, typically those with an M.A. in Sociology are considered Ph.D. 2 students: they typically take six substantive courses, in addition to various thesis requirements -- although further courses may be required if their methodological skills do not meet the standards required by the Department. Our Social Statistics Laboratory allows students to make systematic use of quantitative data sources. All students must pass two area exams, and present a thesis proposal before turning to the thesis itself -- which may take the form of a single piece of research or a set of articles on a particular theme. This concentration is an interdisciplinary program for students who meet the requirements in Sociology and who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and in issues in feminist research and methods. The thesis or set of articles must relate to issues of gender and/or women’s studies.

section 15.11.26.15: Master of Arts (M.A.); Sociology (Non-Thesis) — Social Statistics (45 credits)

15.11.26.3 Sociology Admission Requirements and Application Procedures

15.11.26.31 Admission Requirements

Applicants must have a bachelor's degree with a standing equivalent to a cumulative grade point average (CGPA) of 3.3 or better out of a possible 4.0. The degree may be either in Sociology or in another relevant social science. In the latter case, applicants may be required to take some additional Sociology courses to fill gaps in their background.

The strength of an applicant's academic record is of primary importance in consideration of an applicant's dossier. For a detailed description of courses open to graduates and undergraduates, and of preparation required of McGill University honours students, candidates should consult the Undergraduate Programs, Courses and University Regulations publication available at www.mcgill.ca/study.

All applicants are asked to submit two letters of recommendation and two original copies of their university-level transcripts along with an example of their written work. Applicants not registered at Canadian universities must submit with their applications the results of the Verbal and Quantitative aptitude tests of the Graduate Record Examination. Canadian students are also encouraged to submit the results of this test with their application. Arrangements to take the Graduate Record Examination should be made directly with the Educational Testing Service by visiting their website at www.ets.org/gre. Certain students must submit documented proof of competency in oral and written English. The minimum acceptable score for the TOEFL exam is 567 on the paper-based test and 86 overall on the Internet-based test (no less than 20 in each of the four component scores). For more information on whether the TOEFL is required please visit www.mcgill.ca/gradapplicants/apply/prepare/requirements/proficiency. International students can also contact International Student Services at 514-398-4349 for more information, or visit their website, www.mcgill.ca/internationalstudents.

Candidates who lack sufficient preparation in the social sciences, but whose academic record justifies consideration for eventual admission to the master's graduate program, must register for a qualifying year during which they are required to take courses to broaden their knowledge of sociology. Candidates must achieve a final mark of at least a B in these courses and an average in all courses of at least B+; in general, they must, in the opinion of the Department, have achieved sufficient preparation in the subject matter of sociology before they will be allowed to proceed with graduate work. All candidates are expected to have taken courses in statistics, research methods, and sociological theory at the undergraduate level.

Any prospective students are encouraged to contact faculty members that they may wish to work with to ascertain that they will be available and not on leave during the time at which they wish to study. If need be, they may feel free to contact the Chair of the Graduate Admissions Committee to guide them.

The program of study is designed to give students an advanced understanding of a major field in sociology, of current methods of sociological research, and of some principal theoretic issues in the discipline. Three terms of residence study is the minimum requirement for a master's degree. For the doctoral program, three years is the minimum residency requirement for students entering at the Ph.D. 1 level (those students without an M.A.) and two years for students entering at the Ph.D. 2 level (those with an M.A.).
M.A. in Medical Sociology
The program is open to students with a social sciences, health professions, or health sciences background. It is interdisciplinary in nature and includes required courses offered by both participating departments as well as a research paper/thesis based on original research. For additional information concerning this program, please consult the Social Studies of Medicine section or the website, www.mcgill.ca/ssom.

1511.2632 Application Procedures

Dates for Guaranteed Consideration
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Note: We are not willing to consider any applications to be admitted for the Summer term.

Please note that the dossier must be complete with ALL of the following information before the applicant will be considered for entrance to the graduate program:

1. application form (submitted online);
2. Statistics, Theory, Methods form (available at www.mcgill.ca/files/sociology/statstheoryandmethodsform.pdf);
3. two original copies of undergraduate and graduate-level transcripts. Please provide two official translations if the original is not in English or French;
4. two letters of reference on the departmental forms (available at www.mcgill.ca/files/sociology/letterofrecommendation.pdf);
5. test results (if applicable) - Graduate Record Examination and Test of English as a Foreign Language. Minimum score for the TOEFL: 567 on the paper-based test, 86 overall on the Internet-based test;
6. statement of academic background - a brief statement of the applicant’s interests and the areas of sociology he/she wishes to study at McGill;
7. one or two samples of written work. This can be in the form of a graded paper or a chapter from a thesis and must be at least 15 typewritten pages in length translated into English or French.

Applicants must apply using the online application: www.mcgill.ca/gradapplicants/apply.

M.A. in Medical Sociology
Admission is granted by a joint admissions committee made up of representatives from Sociology and Social Studies of Medicine.

15.11.26.4 Sociology Faculty

Chair
Professor Michael Smith

Graduate Program Director
Professor Axel van den Berg

Graduate Admissions Director
Professor Axel van den Berg

Emeritus Professors
Maurice Pinard; B.A., LL.L., M.A.(Montr.), Ph.D.(Johns Hop.), F.R.S.C.
Peta Tancred; B.A.(McG.), M.A.(Montr.), Ph.D.(LSE)

Professors
Alberto Cambrosio; M.A. (Sher.), Ph.D.(Montr.) (Social Studies of Medicine) (on sabbatical 2011-2012)
John A. Hall; B.A.(Oxf.), M.A.(Penn. St.), Ph.D.(LSE) (James McGill Professor) (on sabbatical 2011-2012)
Céline Le Bourdais; B.Sc.(Montr.), B.Sc.(Laval), M.Sc.(Montr.), Ph.D.(Brown) (Canada Research Chair in Social Statistics and Family Change)
Anthony Masi; A.B.(Colgate), M.A., Ph.D.(Brown) (Provost)
Michael Smith; B.A.(Leic.), M.A., Ph.D.(Brown) (James McGill Professor)
Axel van den Berg; Kand.Doc.(Amster.), Ph.D.(McG.)
Morton Weinfeld; B.A.(McG.), Ed.M., Ph.D.(Harv.) (Chair Canadian Ethnic Studies) (on sabbatical 2011-2012)
**Associate Professors**

Lucia Benaquisto; B.A. (SUNY, Albany), M.A., Ph.D. (Harv.)
Shelley Clark; B.A. (Virg.), M.A., Ph.D. (Princ.) *on sabbatical Winter 2012*
Kathleen Fallon; B.A. (Calif.), M.A., Ph.D. (Ind.)
Matthew Lange; B.A. (Carleton Coll.), M.A., Ph.D. (Brown)
Amélie Quesnel-Vallée; B.S., M.S. (Montr.), M.S., Ph.D. (Duke) *on sabbatical Winter 2012*
Steven L. Rytina; B.G.S., Ph.D. (Mich.)
John (Jack) Sandberg; B.A. (Hunter), Ph.D. (Mich.)
Elaine Weiner; B.A. (Grinnell Coll.), M.A. (Flor.), Ph.D. (Mich.) *on sabbatical 2011-2012*

**Assistant Professors**

Marc (Marcos) Ancelovici; B.Sc., M.Sc. (Montr.), Ph.D. (MIT)
Giovani Burgos; B.A. (SUNY, Albany), M.A., Ph.D. (Ind.)
Jason Carmichael; B.A. (Ariz. St.), M.A., Ph.D. (Ohio St.)
Eran Shor; B.A., M.A. (Haifa), M.A., Ph.D. (Stony Brook)
Zoua Vang; B.A. (Penn.), M.A., Ph.D. (Harv.)

**Adjunct Professors**

Donald Hinrichs; B.A. (W. Md.), M.A. (Md.), Ph.D. (Ohio St.)
Ho Hon Leung; B.A., M.A. (Acad.), Ph.D. (McG.)
Catherine Montgomery; B.A. (Car.), M.Sc., Ph.D. (Montr.)

**Associate Members**

Gregory Baum (*Religious Studies*)
Jennifer Fishman (*Social Studies of Medicine*)

---

**15.11.26.5 Master of Arts (M.A.); Sociology (Thesis) (48 credits)**

**Thesis Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 690</td>
<td>3</td>
<td>M.A. Thesis 1</td>
</tr>
<tr>
<td>SOCI 691</td>
<td>6</td>
<td>M.A. Thesis 2</td>
</tr>
<tr>
<td>SOCI 692</td>
<td>3</td>
<td>M.A. Thesis 3</td>
</tr>
<tr>
<td>SOCI 693</td>
<td>3</td>
<td>M.A. Thesis 4</td>
</tr>
<tr>
<td>SOCI 694</td>
<td>18</td>
<td>M.A. Thesis 5</td>
</tr>
</tbody>
</table>

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 504*</td>
<td>3</td>
<td>Quantitative Methods I</td>
</tr>
<tr>
<td>SOCI 540*</td>
<td>3</td>
<td>Qualitative Research Methods</td>
</tr>
<tr>
<td>SOCI 580*</td>
<td>3</td>
<td>Social Research Design and Practice</td>
</tr>
<tr>
<td>SOCI 652*</td>
<td>3</td>
<td>Current Sociological Theory</td>
</tr>
</tbody>
</table>

*All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.*

**Complementary Course (3 credits)**

(Published September 13, 2011)
One 3-credit graduate-level course, which may be in a cognate field, subject to the approval of the Graduate Committee.

15.11.26.6 Master of Arts (M.A.); Sociology (Thesis) — Development Studies (48 credits)
The M.A. thesis must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

**Thesis Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>M.A. Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 690</td>
<td>(3)</td>
<td>1</td>
</tr>
<tr>
<td>SOCI 691</td>
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<tr>
<td>SOCI 692</td>
<td>(3)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 693</td>
<td>(3)</td>
<td>4</td>
</tr>
<tr>
<td>SOCI 694</td>
<td>(18)</td>
<td>5</td>
</tr>
</tbody>
</table>

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTD 657</td>
<td>(3)</td>
<td>Development Studies Seminar</td>
</tr>
<tr>
<td>SOCI 504*</td>
<td>(3)</td>
<td>Quantitative Methods 1</td>
</tr>
<tr>
<td>SOCI 540*</td>
<td>(3)</td>
<td>Qualitative Research Methods</td>
</tr>
<tr>
<td>SOCI 580*</td>
<td>(3)</td>
<td>Social Research Design and Practice</td>
</tr>
<tr>
<td>SOCI 652*</td>
<td>(3)</td>
<td>Current Sociological Theory</td>
</tr>
</tbody>
</table>

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

15.11.26.7 Master of Arts (M.A.); Sociology (Thesis) — Environment (48 credits)
(not offered in 2011-12)

**Thesis Courses (27 credits)**

An environmental component is required in the thesis.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>M.A. Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 690</td>
<td>(3)</td>
<td>1</td>
</tr>
<tr>
<td>SOCI 692</td>
<td>(3)</td>
<td>3</td>
</tr>
<tr>
<td>SOCI 693</td>
<td>(3)</td>
<td>4</td>
</tr>
<tr>
<td>SOCI 694</td>
<td>(18)</td>
<td>5</td>
</tr>
</tbody>
</table>

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>(3)</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>(1)</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>(1)</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>(1)</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>SOCI 504*</td>
<td>(3)</td>
<td>Quantitative Methods 1</td>
</tr>
<tr>
<td>SOCI 540*</td>
<td>(3)</td>
<td>Qualitative Research Methods</td>
</tr>
<tr>
<td>SOCI 580*</td>
<td>(3)</td>
<td>Social Research Design and Practice</td>
</tr>
<tr>
<td>SOCI 652*</td>
<td>(3)</td>
<td>Current Sociological Theory</td>
</tr>
</tbody>
</table>

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Courses (3 credits)**
3 credits from the following list:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>3</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>ENVR 544</td>
<td>3</td>
<td>Environmental Measurement</td>
</tr>
<tr>
<td>ENVR 580</td>
<td>3</td>
<td>Modelling</td>
</tr>
<tr>
<td>ENVR 611</td>
<td>3</td>
<td>The Economy of Nature</td>
</tr>
<tr>
<td>ENVR 620</td>
<td>3</td>
<td>Environment and Health of Species</td>
</tr>
<tr>
<td>ENVR 622</td>
<td>3</td>
<td>Sustainable Landscapes</td>
</tr>
<tr>
<td>ENVR 630</td>
<td>3</td>
<td>Civilization and Environment</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>3</td>
<td>Topics in Environment 4</td>
</tr>
</tbody>
</table>

or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

15.11.26.8 Master of Arts (M.A.); Sociology (Thesis) — Gender and Women’s Studies (48 credits)

**Thesis Courses (30 credits)**

Preparation and completion of a thesis on a topic approved by the supervisor and by participating faculty members in the Gender and Women’s Studies program.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 691</td>
<td>6</td>
<td>M.A. Thesis 2</td>
</tr>
<tr>
<td>SOCI 692</td>
<td>3</td>
<td>M.A. Thesis 3</td>
</tr>
<tr>
<td>SOCI 693</td>
<td>3</td>
<td>M.A. Thesis 4</td>
</tr>
<tr>
<td>SOCI 694</td>
<td>18</td>
<td>M.A. Thesis 5</td>
</tr>
</tbody>
</table>

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 504*</td>
<td>3</td>
<td>Quantitative Methods I</td>
</tr>
<tr>
<td>SOCI 540*</td>
<td>3</td>
<td>Qualitative Research Methods</td>
</tr>
<tr>
<td>SOCI 580*</td>
<td>3</td>
<td>Social Research Design and Practice</td>
</tr>
<tr>
<td>SOCI 652*</td>
<td>3</td>
<td>Current Sociological Theory</td>
</tr>
<tr>
<td>WMST 601</td>
<td>3</td>
<td>Feminist Theories and Methods</td>
</tr>
</tbody>
</table>

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Course (3 credits)**

3 credits at the 500, 600, or 700 level including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 602</td>
<td>3</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

or one 3 credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside the Department).

15.11.26.9 Master of Arts (M.A.); Sociology (Thesis) — Medical Sociology (48 credits)

This program is given jointly by the Sociology Department and the Department of Social Studies in Medicine.

**Thesis Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 690</td>
<td>3</td>
<td>M.A. Thesis 1</td>
</tr>
<tr>
<td>SOCI 691</td>
<td>6</td>
<td>M.A. Thesis 2</td>
</tr>
<tr>
<td>SOCI 692</td>
<td>3</td>
<td>M.A. Thesis 3</td>
</tr>
</tbody>
</table>
Required Courses (12 credits)

- SOCI 504* (3) Quantitative Methods I
- SOCI 540* (3) Qualitative Research Methods
- SOCI 580* (3) Social Research Design and Practice
- SOCI 652* (3) Current Sociological Theory

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Courses (6 credits)

- 3 credits, one of the following courses:
  - SOCI 515 (3) Medicine and Society
  - SOCI 538 (3) Selected Topics in Sociology of Biomedical Knowledge

- 3 credits, one graduate-level course in History of Medicine.

15.11.26.10 Master of Arts (M.A.); Sociology (Thesis) — Neotropical Environment (48 credits)

(not offered in 2011-12)

McGill University and the Smithsonian Tropical Research Institute (STRI) have joined forces to offer graduate studies in neotropical environment. These are offered as options within existing programs in Biology, Bioresource Engineering, Geography, Political Science, Plant Science, Renewable Resources, and Sociology. Students must meet the Graduate and Postdoctoral Studies admission requirements, enter through one of the participating departments and meet the requirements of that unit. Advisers will be McGill professors and STRI scientists. The degree is granted by McGill University.

To provide students with some research experience, all candidates in this program must present a thesis based on their own research with the thesis fieldwork conducted in Latin America on a topic approved by the Neotropical Environment Option coordinating committee.

Thesis Courses (27 credits)

- SOCI 690 (3) M.A. Thesis 1
- SOCI 691 (6) M.A. Thesis 2
- SOCI 692 (3) M.A. Thesis 3
- SOCI 695 (15) M.A. Thesis 6

Required Courses (18 credits)

- BIOL 640 (3) Tropical Biology and Conservation
- ENVR 610 (3) Foundations of Environmental Policy
- SOCI 504* (3) Quantitative Methods I
- SOCI 540* (3) Qualitative Research Methods
- SOCI 580* (3) Social Research Design and Practice
- SOCI 652* (3) Current Sociological Theory

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Courses (3 credits)
3 credits from one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGRI 550</td>
<td>Sustained Tropical Agriculture</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOL 553</td>
<td>Neotropical Environments</td>
<td>(3)</td>
</tr>
<tr>
<td>BIOL 641</td>
<td>Issues in Tropical Biology</td>
<td>(3)</td>
</tr>
<tr>
<td>ENVR 611</td>
<td>The Economy of Nature</td>
<td>(3)</td>
</tr>
<tr>
<td>ENVR 612</td>
<td>Tropical Environmental Issues</td>
<td>(3)</td>
</tr>
<tr>
<td>ENVR 680</td>
<td>Topics in Environment 4</td>
<td>(3)</td>
</tr>
<tr>
<td>POLI 644</td>
<td>Tropical Environmental Politics</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 565</td>
<td>Social Change in Panama</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**15.11.26.11 Master of Arts (M.A.); Sociology (Non-Thesis) (45 credits)**

**Research Project (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 696</td>
<td>Research Paper 1</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 697</td>
<td>Research Paper 2</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 699</td>
<td>Research Paper 4</td>
<td>(12)</td>
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</table>

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 504*</td>
<td>Quantitative Methods 1</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 540*</td>
<td>Qualitative Research Methods</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 580*</td>
<td>Social Research Design and Practice</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 603</td>
<td>Bibliographic Methods 1</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 604</td>
<td>Bibliographic Methods 2</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 652*</td>
<td>Current Sociological Theory</td>
<td>(3)</td>
</tr>
</tbody>
</table>

* All students must have taken these courses or take them during the first year of the program. Students granted and exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Courses (9 credits)**

9 credits of complementary courses at the 500-, 600- or 700- level.

**15.11.26.12 Master of Arts (M.A.); Sociology (Non-Thesis) — Development Studies (45 credits)**

The research essay must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

**Research Project (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 696</td>
<td>Research Paper 1</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 697</td>
<td>Research Paper 2</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 699</td>
<td>Research Paper 4</td>
<td>(12)</td>
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**Required Courses (21 credits)**

<table>
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<tr>
<td>INTD 657</td>
<td>Development Studies Seminar</td>
<td>(3)</td>
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<tr>
<td>SOCI 504*</td>
<td>Quantitative Methods 1</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 540*</td>
<td>Qualitative Research Methods</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 580*</td>
<td>Social Research Design and Practice</td>
<td>(3)</td>
</tr>
<tr>
<td>SOCI 603</td>
<td>Bibliographic Methods 1</td>
<td>(3)</td>
</tr>
</tbody>
</table>
SOCI 604  (3)  Bibliographic Methods 2
SOCI 652*  (3)  Current Sociological Theory

* All students must have taken these courses or take them during the first year of the program. Students granted exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Courses (6 credits)

6 credits of complementary courses at the 500, 600, or 700 level related to international development studies from the following list:

SOCI 505  (3)  Quantitative Methods 2
SOCI 510  (3)  Seminar in Social Stratification
SOCI 511  (3)  Movements/Collective Action
SOCI 512  (3)  Ethnicity & Public Policy
SOCI 515  (3)  Medicine and Society
SOCI 520  (3)  Migration and Immigrant Groups
SOCI 529  (3)  Political Sociology 1
SOCI 530  (3)  Sex and Gender
SOCI 535  (3)  Sociology of the Family
SOCI 538  (3)  Selected Topics in Sociology of Biomedical Knowledge
SOCI 545  (3)  Sociology of Population
SOCI 550  (3)  Developing Societies
SOCI 565  (3)  Social Change in Panama
SOCI 571  (3)  Deviance and Social Control
SOCI 588  (3)  Sociology of Knowledge
SOCI 688  (1.5)  Social Statistics 1
SOCI 720  (3)  Reading in Social Theory
SOCI 730  (3)  Reading and Research

15.11.13 Master of Arts (M.A.); Sociology (Non-Thesis) — Gender and Women's Studies (45 credits)

Research Project (18 credits)

SOCI 696  (3)  Research Paper 1
SOCI 697  (3)  Research Paper 2
SOCI 699  (12)  Research Paper 4

Required Courses (21 credits)

SOCI 504*  (3)  Quantitative Methods 1
SOCI 540*  (3)  Qualitative Research Methods
SOCI 580*  (3)  Social Research Design and Practice
SOCI 603  (3)  Bibliographic Methods 1
SOCI 604  (3)  Bibliographic Methods 2
SOCI 652*  (3)  Current Sociological Theory
WMST 601  (3)  Feminist Theories and Methods

* All students must have taken these courses or take them during the first year of the program. Students granted exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.
Complementary Courses (6 credits)

6 credits at the 500, 600, or 700 level including:

WMST 602 (3) Feminist Research Symposium

or one 3-credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside of the Department).

15.11.26.14 Master of Arts (M.A.); Sociology (Non-Thesis) — Medical Sociology (45 credits)

This program is given jointly by the Sociology Department and the Department of Social Studies in Medicine.

Research Project (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 696</td>
<td>(3)</td>
<td>Research Paper 1</td>
</tr>
<tr>
<td>SOCI 697</td>
<td>(3)</td>
<td>Research Paper 2</td>
</tr>
<tr>
<td>SOCI 699</td>
<td>(12)</td>
<td>Research Paper 4</td>
</tr>
</tbody>
</table>

Required Courses (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 504*</td>
<td>(3)</td>
<td>Quantitative Methods 1</td>
</tr>
<tr>
<td>SOCI 540*</td>
<td>(3)</td>
<td>Qualitative Research Methods</td>
</tr>
<tr>
<td>SOCI 580*</td>
<td>(3)</td>
<td>Social Research Design and Practice</td>
</tr>
<tr>
<td>SOCI 603</td>
<td>(3)</td>
<td>Bibliographic Methods 1</td>
</tr>
<tr>
<td>SOCI 604</td>
<td>(3)</td>
<td>Bibliographic Methods 2</td>
</tr>
<tr>
<td>SOCI 652*</td>
<td>(3)</td>
<td>Current Sociological Theory</td>
</tr>
</tbody>
</table>

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Courses (9 credits)

3 credits, one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 515</td>
<td>(3)</td>
<td>Medicine and Society</td>
</tr>
<tr>
<td>SOCI 538</td>
<td>(3)</td>
<td>Selected Topics in Sociology of Biomedical Knowledge</td>
</tr>
</tbody>
</table>

3 credits, one graduate-level course in History of Medicine.

3 credits, one graduate-level course in Social Studies of Medicine.

15.11.26.15 Master of Arts (M.A.); Sociology (Non-Thesis) — Social Statistics (45 credits)

The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). It requires a statistics-based research paper that will normally, but not necessarily, flow out of a paper written for one of the graduate seminars.

Acceptance into the program is by application to the Social Statistics Option Committee and is contingent on acceptance into the M.A. program in one of the participating departments (Economics, Geography, Political Science, Sociology).

Research Project (18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 696</td>
<td>(3)</td>
<td>Research Paper 1</td>
</tr>
<tr>
<td>SOCI 697</td>
<td>(3)</td>
<td>Research Paper 2</td>
</tr>
<tr>
<td>SOCI 699</td>
<td>(12)</td>
<td>Research Paper 4</td>
</tr>
</tbody>
</table>

Required Courses (21 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCI 504*</td>
<td>(3)</td>
<td>Quantitative Methods 1</td>
</tr>
</tbody>
</table>
SOCI 540* (3) Qualitative Research Methods
SOCI 580* (3) Social Research Design and Practice
SOCI 603 (3) Bibliographic Methods 1
SOCI 604 (3) Bibliographic Methods 2
SOCI 652* (3) Current Sociological Theory
SOCI 688 (1.5) Social Statistics 1
SOCI 689 (1.5) Social Statistics 2

* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Courses (6 credits)
6 credits of complementary courses at the 500, 600, or 700 level. For further information on the M.A. option in Social Statistics, please visit the Social Statistics website at: www.mcgill.ca/socialstatistics.

15.11.16 Doctor of Philosophy (Ph.D.); Sociology

Thesis

Required Courses (3 credits)
Ph.D. candidates must take examinations in two subfields of Sociology. These fields will be chosen from the Department's areas of specialization.

SOCI 505 (3) Quantitative Methods 2
SOCI 700 (0) Ph.D. Area Examination 1
SOCI 701 (0) Ph.D. Area Examination 2
SOCI 702 (0) Ph.D. Proposal Approval
SOCI 703 (0) Bibliographic Methods 3
SOCI 704 (0) Bibliographic Methods 4

Complementary Courses (27 credits)
(15-27 credits)
Five substantive courses at the 500, 600, or 700 level offered by the Department subject to the approval of the Graduate Committee.

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

SOCI 504 (3) Quantitative Methods 1
SOCI 540 (3) Qualitative Research Methods
SOCI 580 (3) Social Research Design and Practice
SOCI 652 (3) Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above or SOCI 505, another one must then be substituted in its place. If you are admitted at the Ph.D. 2 level a substitution will only be required in the case of an exemption from SOCI 505.

Language Requirement
Ph.D. Candidates must demonstrate ability to read French with high proficiency or to read another language relevant to their field of research. The language requirement should be met by the end of the third year and may be satisfied by taking an approved French language course(s) at the French Language Centre at McGill, or by a written examination in the Department or by exemption.

15.11.17 Doctor of Philosophy (Ph.D.); Sociology — Environment
(not offered in 2011-12)

Thesis
An environmental component is required in the thesis.

**Required Courses (9 credits)**
Ph.D. candidates must take examinations in two subfields of sociology. These fields will be chosen from the Department's areas of specialization.

- ENVR 610 (3) Foundations of Environmental Policy
- ENVR 650 (1) Environmental Seminar 1
- ENVR 651 (1) Environmental Seminar 2
- ENVR 652 (1) Environmental Seminar 3
- SOCI 505 (3) Quantitative Methods 2
- SOCI 700 (0) Ph.D. Area Examination 1
- SOCI 701 (0) Ph.D. Area Examination 2
- SOCI 702 (0) Ph.D. Proposal Approval

**Complementary Courses (9 credits)**
One course selected from the following:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
- ENVR 680 (3) Topics in Environment 4

or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

Two courses at the 500, 600, or 700 level chosen from among the elective courses listed in the Sociology Department course offerings.

Students who have not taken the following courses must make up the deficiencies in addition to the regular coursework:

- SOCI 504 (3) Quantitative Methods 1
- SOCI 540 (3) Qualitative Research Methods
- SOCI 580 (3) Social Research Design and Practice
- SOCI 652 (3) Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above or SOCI 505, another one must then be substituted in its place. If you are admitted at the Ph.D. 2 level a substitution will only be required in the case of an exemption from SOCI 505.

15.11.26 Doctor of Philosophy (Ph.D.); Sociology — Gender and Women's Studies

**Thesis**

**Required Courses (9 credits)**
Ph.D. candidates must take examinations in two subfields of sociology. These fields will be chosen from the Department's areas of specialization.

- SOCI 505 (3) Quantitative Methods 2
- SOCI 700 (0) Ph.D. Area Examination 1
- SOCI 701 (0) Ph.D. Area Examination 2
Research proposal is subject to Department approval and to approval by the participating faculty members in the Gender and Women's Studies Program.

**Complementary Courses**

(15-27 credits)

Five courses at the 500, 600, or 700 level.

Four of these five courses must be taken within the Department, one of the five must be on gender/women's issues.

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

- **SOCI 504** (3) Quantitative Methods 1
- **SOCI 540** (3) Qualitative Research Methods
- **SOCI 580** (3) Social Research Design and Practice
- **SOCI 652** (3) Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above or SOCI 505, another one must then be substituted in its place. If you are admitted at the Ph.D. 2 level a substitution will only be required in the case of an exemption from SOCI 505.

# Faculty of Dentistry

## Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

_Martin Kreiswirth, Ph.D._

_Associate Provost (Graduate Education)_{

_Dean, Graduate and Postdoctoral Studies_{

__2011-2012, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, McGill University__

(Published September 13, 2011)
16.2 Graduate and Postdoctoral Studies

16.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
<td>Director (Recruitment and Retention)</td>
</tr>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
<td></td>
</tr>
</tbody>
</table>

16.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990  
Fax: 514-398-1626  
Email: servicepoint@mcgill.ca  
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

16.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

16.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

16.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

| Agricultural and Environmental Sciences |
| section 14.11.1: Agricultural Economics |
| section 14.11.2: Animal Science |
| section 14.11.3: Bioresource Engineering |
| section 14.11.4: Dietetics and Human Nutrition |
| section 14.11.5: Food Science and Agricultural Chemistry |
| section 14.11.6: Natural Resource Sciences |
| section 14.11.7: Parasitology |
### Agricultural and Environmental Sciences

*section 14.11.8: Plant Science*

### Arts

*section 15.11.1: Anthropology*

*section 15.11.2: Art History*

Classics, see *section 15.11.12: History and Classical Studies*

*section 15.11.4: Communication Studies*

*section 15.11.5: East Asian Studies*

*section 15.11.6: Economics*

*section 15.11.7: English*

*section 15.11.8: French Language and Literature*

*section 15.11.9: Geography*

*section 15.11.10: German Studies*

*section 15.11.11: Hispanic Studies*

*section 15.11.12: History and Classical Studies*

*section 15.11.13: Institute for the Study of International Development*

*section 15.11.14: Islamic Studies*

*section 15.11.15: Italian Studies*

*section 15.11.16: Jewish Studies*

*section 15.11.17: Linguistics*

*section 15.11.18: Mathematics and Statistics*

*section 15.11.19: Philosophy*

*section 15.11.20: Political Science*

*section 15.11.21: Psychology*

*section 15.11.23: Russian and Slavic Studies*

*section 15.11.24: Social Studies of Medicine*

*section 15.11.25: Social Work*

*section 15.11.26: Sociology*

### Dentistry

*section 16.11.1: Dentistry*

### Desautels Faculty of Management

*section 17.11: Desautels Faculty of Management*

### Education

*section 18.11.1: Educational and Counselling Psychology*

*section 18.11.2: Information Studies*

*section 18.11.3: Integrated Studies in Education*

*section 18.11.4: Kinesiology and Physical Education*

### Engineering

*section 19.11.1: Architecture*
Engineering

section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law

section 20.11.1: Law

McGill School of Environment

section 21.11.1: Environment

Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 23.11.1: Nursing
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research

Religious Studies

section 25.11.1: Religious Studies

Schulich School of Music

section 26.11.1: Schulich School of Music

Science

section 27.11.1: Atmospheric and Oceanic Sciences
section 27.11.2: Biology
16.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

Graduate Diplomas are offered in:

- Clinical Research (Experimental Medicine)
- Epidemiology and Biostatistics
- Islamic Studies
- Library and Information Studies
- Mining Engineering
- Nursing

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

- Assessing Driving Capabilities
- Air and Space Law
- Bioresource Engineering (IWRM)
- Biotechnology
- Comparative Law
- Educational Leadership 1

All graduate regulations apply to graduate diploma and certificate candidates.

16.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

The following master’s degrees are offered (see below for more information about sub-specializations):

- Master of Architecture (M.Arch)
- Master of Arts (M.A.)
- Master of Business Administration (M.B.A.)
- Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)
- Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)

Prerequisites:

- M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.
- Bachelor of Arts in the subject selected for graduate work. See appropriate unit.
- An undergraduate degree from an approved university. See Management.
- See Management.
- See Management.
### Prerequisites:

The following master's degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
</tbody>
</table>

**Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)**

**Master of Architecture Degrees**

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

Master of Business Administration Degrees

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D., C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.
Master's Degrees in Law

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
Medical Radiation Physics  
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine  
Microbiology and Immunology  
Microbiology (Macdonald Campus); option in Environment  
Mining and Materials Engineering  
Neuroscience  
Nursing  
Otolaryngology  
Parasitology; options in Bioinformatics, and Environment  
Pathology  
Pharmacology and Therapeutics; option in Chemical Biology  
Physics  
Physiology; option in Bioinformatics  
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment  
Psychiatry  
Psychology  
Rehabilitation Sciences (Thesis and Non-Thesis)  
Reproductive Sciences; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment  
Surgery, Experimental

Master of Science, Applied, Degrees

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

Master of Social Work Degrees

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.

Master of Urban Planning Degree

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

16.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

The following doctoral degrees are offered (see below for more information about sub-specializations): Prerequisites:

- Doctor of Civil Law (D.C.L.)  
  B.C.L. or LL.B. and usually LL.M. See Law.
The following doctoral degrees are offered (see below for more information about sub-specializations):

**Doctor of Music (D.Mus.)**
M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.

**Doctor of Philosophy (Ph.D.)**
An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.

**Doctor of Civil Law Degrees**
Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

**Doctor of Music Degrees**
The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

**Doctor of Philosophy Degrees**
Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
- Electrical Engineering
- English
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics
- Food Science and Agricultural Chemistry
- French; option in Gender and Women's Studies
- Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
- German
- Hispanic Studies
- History
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Information Studies
- Islamic Studies; option in Gender and Women's Studies
- Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)
Management (McGill/Concordia/H.E.C./UQAM)
Social Work (McGill/Université de Montréal)

16.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

16.5 Program Requirements

16.5.1 Master's Degrees

Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a minimum residence requirement of four full-time terms: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis.
- Residence requirements are fulfilled when students complete all course requirements in their respective programs. For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.
These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master’s Degrees
Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study. The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university. As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow. The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements. Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master’s Degrees
All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master’s program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master’s Degrees
Most master’s degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master’s degree.

16.5.2 Doctoral Degrees

Residence Requirements – Doctoral
Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master’s degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral
A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral
Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

Thesis Oral Examination – Doctoral

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

16.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document "Procedures for Admission in Ad Hoc Master's and Doctoral Programs", available from GPS.

16.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

16.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.
16.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

16.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to, transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

16.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects. The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

16.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.
Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

16.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>iBT (Internet-based test)</td>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
</tr>
<tr>
<td>PBT (paper-based test)</td>
<td>550</td>
</tr>
<tr>
<td>CBT (computer-based test)*</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
</tr>
</tbody>
</table>

N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

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16.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted. In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

16.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.
16.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

16.6.8 Admission to an Ad Personam Joint Program

*Ad Personam* joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

16.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an *Ad Hoc* program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an *Ad Hoc* program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

16.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


16.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

16.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)
Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status
   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.
   ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions
   i. Appointments may not exceed your registration eligibility status.
   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at...
iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

- to verify the Postdoc’s eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include Postdocs in departmental career and placement opportunities;
- to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

- to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their Postdocs;
- to provide feedback on research submitted by the Postdocs;
- to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
- to provide mentorship for career development;

vi. Some examples of responsibilities of the department are:

- to provide mentorship for career development;
 – to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;

– to submit a complete file for registration to Graduate and Postdoctoral Studies;

– to sign and adhere to their Letter of Agreement for Postdoctoral Education;

– to communicate regularly with their supervisor;

– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

– to register Postdocs;

– to provide an appeal mechanism in cases of conflict;

– to provide documented policies and procedures to Postdocs;

– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

16.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

16.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

16.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).
2. Program

1. Assignment of Advisers, Supervisors, and Committees

Informing themselves of these policies and procedures. Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints.

Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

16.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

16.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.
v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor, and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to provide guidance in all phases of the student's research; to meet with their supervisors regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

16.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.
The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

Senate, September 2003

16.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

16.9.4 Ph.D. Comprehensives Policy

Preamble

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (‘Mixed’ modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

Objectives and Content
Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest) for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the [Handbook on Students Rights and Responsibilities](http://www.mcgill.ca/secretariat/policies/students)) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of IH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.
Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

Charter of Student Rights
Graduate Studies Reread Policy
Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

16.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.
The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching
Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

16.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's "Parental Leave Policy" for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

16.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

16.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.
16.10  Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

16.10.1  Policy on Research Ethics


16.10.2  Regulations on Research Policy


16.10.3  Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

16.10.4  Guidelines for Research Involving Human Subjects


16.10.5  Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

16.10.6  Policy on Intellectual Property


16.10.7  Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

16.10.8  Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

16.10.9  Office of Sponsored Research


16.10.10  Postdocs

Please see www.mcgill.ca/gps/postdocs.

16.10.11  Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

16.11  Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.
16.11.1 Dentistry

16.11.1.1 Location
Faculty of Dentistry
3640 University Street, Room B15
Montreal, QC H3A 2B2
Canada

Telephone: 514-398-7203
Fax: 514-398-2028
Website: www.mcgill.ca/dentistry

16.11.1.2 About Dentistry

M.Sc. in Dental Sciences
The goal of this program is to train students in research in the dental sciences which comprise a number of disciplines relating to the functioning of the oro-facial complex.

M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery
A residency training program in Oral and Maxillofacial Surgery provides a candidate with a comprehensive background for the practice of Oral and Maxillofacial Surgery as a specialty.

During the four years of the program, the candidate serves as a resident principally at the Montreal General Hospital. During this time, the resident is given increasing responsibility for the care of in-patients and out-patients, as well as being required to fulfill certain basic science courses and other assignments.

A research project must be undertaken, followed by a master's thesis.

The program is open to one candidate per year.

Ph.D. (Ad Hoc)
The Faculty of Dentistry also offers the possibility of directly entering a Ph.D. program on an ad hoc basis, or, with the permission of the supervisor and the approval of the Graduate Program Director, exceptional students may transfer from the M.Sc. to the ad hoc Ph.D. program.

section 16.11.1.5: Master of Science (M.Sc.); Dental Sciences (Thesis) (45 credits)
The goal of this program is to train students in research in the dental sciences which comprise a number of disciplines relating to the functioning of the oro-facial complex.

section 16.11.1.6: Master of Science (M.Sc.); Dental Sciences (Thesis) — Oral and Maxillofacial Surgery (46 credits)
McGill University, through the Faculty of Dentistry and the McGill University Health Centre, offers an advanced education program in Oral and Maxillofacial Surgery. The program is fully accredited by the Canadian Dental Association Accreditation Committee. It is a four-year program and commences on July 1st of each year.

section 16.11.1.7: Master of Science (M.Sc.); Dental Sciences (Non-Thesis) (45 credits)
The goal of this program is to train students in research in the dental sciences which comprise a number of disciplines relating to the functioning of the oro-facial complex.

16.11.1.3 Dentistry Admission Requirements and Application Procedures

16.11.1.3.1 Admission Requirements

M.Sc. in Dental Sciences
Students who have successfully completed a B.A. with a CGPA of 3.0 on a 4.0 scale are eligible to apply for admission to a graduate program in the Faculty of Dentistry leading to the M.Sc. degree in Dental Sciences. TOEFL (or IELTS) tests must be passed in the case of applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone).

The number of candidates accepted each year will depend on the elective courses and research facilities available which are applicable to the candidate’s area of expertise.

M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery
Candidates for this program must possess a D.D.S. or D.M.D. degree or its equivalent, and be acceptable to l’Ordre des Dentistes du Québec as a training candidate in a hospital.
16.11.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

M.Sc. in Dental Sciences

All applications must include an up-to-date official transcript of academic performance, two letters of recommendation and a brief resume indicating their particular field of interest for the M.Sc. degree. Bachelor’s students who have not obtained eligible qualifications will be required to make up for deficiencies in their academic profile by taking a qualifying year.

M.Sc. in Dental Sciences, Option in Oral and Maxillofacial Surgery

This is a four-year M.Sc. thesis program. Applicants applying to the OMFS program must apply to the Certificate in Oral and Maxillofacial Surgery (not Graduate Studies). Prior to the start of the third year, students will be requested to submit an application to the M.Sc. Dental Sciences - OMFS program (Graduate Studies program) in order to complete the program.

Further information may be obtained through our website at www.mcgill.ca/dentistry/prospective-students/oral-and-maxillofacial-surgery-training-programs/4-year-residency-oral-and-maxi.

16.11.1.4 Dentistry Faculty

Dean, Faculty of Dentistry

P.J. Allison

Associate Dean, Graduate Studies and Research

M.D. McKee

Director, Graduate Studies

S. Tran

Director, Graduate Program in Oral and Maxillofacial Surgery

M. El-Hakim

Professors

P.J. Allison; B.D.S., F.D.S.R.C.S., M.Sc. (Lond.), Ph.D. (McG.)
G. Bennett; B.A. (Rutgers), M.A., Ph.D. (Va.)
M.C. Bushnell; B.A. (Md.), M.A., Ph.D. (Amer.)
F. Cervero; M.B., Ch.B., Ph.D. (Madrid), D.Sc. (Edin.)
J.S. Feine; D.D.S., M.S. (Texas), H.D.R.
M.D. McKee; B.Sc., M.Sc., Ph.D. (McG.)

Associate Professors

R. Albuquerque; D.D.S., Ph.D. (Brazil)
J.E. Barralet; Ph.D., IRC (Lond.)
C. Bedos; D.D.S. (Paris), M.Sc., Ph.D. (Montr.)
M. Dagenais; D.M.D. (Montr.), Dip. Oral Radiology (Tor.)
R. Emery; D.D.S., M.Sc. (McG.), F.R.C.D. (C), Dipl. A.B.O.M.S.
M.T. Kaartinen; M.Sc. (Jyväskylä), Ph.D. (Kuopio, Finland)
S. Komarova; M.Sc., Ph.D. (Moscow)
H. LeMoual; D.E.A., M.Sc. (Paris), Ph.D. (Montr.)
S. Nazhat; B.Eng., M.Sc., Ph.D. (Lond.)
**Associate Professors**

D. Reinhardt; Ph.D.(Munich)

J.-M. Retrouvey; D.M.D.(Montr.), M.Sc.(Boston)


M. Tabrizian; D.E.A., Ph.D.(Paris)

S. Tran; D.M.D.(Montr.), Cert. Perio, Ph.D.(Minn.)

H. Vali; B.Sc., Ph.D.(Germany)

**Assistant Professors**

M.E. Macdonald; M.A.(Dal.), Ph.D.(McG.)

M. Murshed; B.Sc.(Aligarh, India), M.Sc.(Free Univ., Brussels), Ph.D.(Cologne)

P. Schweinhardt; M.D.(Ruprecht-Karls Univ.), Ph.D.(Oxf.), Postdoctoral Fellow(McG.)

L. Stone; B.Sc.(Calif.), Ph.D.(Minn.)

F. Tamimi; D.M.D.(Jordan), Ph.D.(Madrid)

A. Velly; D.D.S.(Brazil), M.Sc., Ph.D.(Montr.)

J. Veronneau; D.D.S., M.Sc.(Montr.), Ph.D.(McG.)

J. Zhang; M.D.(Shanghai Second Medical), M.Sc.(Univ. Paris XIII), Ph.D.(Laval)

**Adjunct Professors**

B. Nicolau; D.D.S.(Brazil), M.Sc., Ph.D.(Lond.)

M.-C. Rousseau; B.Sc.(UQAM), M.Sc., Ph.D.(McG.)

A. F. Smith; B.A.(McG.), M.Sc., Ph.D.(Lond.)

**Associate Members**

E.L. Franco, E.G. Gisel, J. Morais, H. Warshawsky

### 16.11.1.5 Master of Science (M.Sc.); Dental Sciences (Thesis) (45 credits)

**Thesis Courses (30 credits)**

(24-30 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>DENT 650</td>
<td>3</td>
<td>Thesis Research 1</td>
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<tr>
<td>DENT 651</td>
<td>6</td>
<td>Thesis Research 2</td>
</tr>
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<td>DENT 652</td>
<td>9</td>
<td>Thesis Research 3</td>
</tr>
<tr>
<td>DENT 653</td>
<td>15</td>
<td>Thesis Research 4</td>
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**Required Courses (8 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>DENT 563</td>
<td>1</td>
<td>Introduction to Research</td>
</tr>
<tr>
<td>DENT 671D1</td>
<td>2</td>
<td>Advanced Research Seminar</td>
</tr>
<tr>
<td>DENT 671D2</td>
<td>2</td>
<td>Advanced Research Seminar</td>
</tr>
<tr>
<td>EPIB 507</td>
<td>3</td>
<td>Biostatistics for Health Professionals</td>
</tr>
</tbody>
</table>

**Complementary Courses (13 credits)**

7-13 credits chosen from the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>ANAT 663D1</td>
<td>4.5</td>
<td>Histology</td>
</tr>
<tr>
<td>Course Code</td>
<td>Credits</td>
<td>Course Name</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>ANAT 663D2</td>
<td>4.5</td>
<td>Histology</td>
</tr>
<tr>
<td>DENT 504</td>
<td>3</td>
<td>Biomaterials and Bioperformance</td>
</tr>
<tr>
<td>DENT 654</td>
<td>3</td>
<td>Mechanisms and Management of Pain</td>
</tr>
<tr>
<td>DENT 672</td>
<td>3</td>
<td>Applied Mixed Methods in Health Research</td>
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<tr>
<td>EPIB 621</td>
<td>4</td>
<td>Data Analysis in Health Sciences</td>
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<tr>
<td>EPIB 635</td>
<td>3</td>
<td>Clinical Trials</td>
</tr>
<tr>
<td>EPIB 655</td>
<td>3</td>
<td>Epidemiology in Public Health</td>
</tr>
<tr>
<td>EXMD 610</td>
<td>3</td>
<td>Biomedical Methods in Medical Research</td>
</tr>
</tbody>
</table>

Other complementary 500- or 600-level courses may be taken with the approval of the supervisor or the research director and GPS.

**16.11.1.6 Master of Science (M.Sc.); Dental Sciences (Thesis) — Oral and Maxillofacial Surgery (46 credits)**

**Thesis Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>DENT 651</td>
<td>6</td>
<td>Thesis Research 2</td>
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<td>Thesis Research 3</td>
</tr>
<tr>
<td>DENT 653</td>
<td>15</td>
<td>Thesis Research 4</td>
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**Required Courses (16 credits)**

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<tbody>
<tr>
<td>DENT 631</td>
<td>3</td>
<td>OMFS 2 Seminar</td>
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<tr>
<td>DENT 632</td>
<td>3</td>
<td>Clinical OMFS 2</td>
</tr>
<tr>
<td>DENT 641</td>
<td>3</td>
<td>OMFS 3 Seminar</td>
</tr>
<tr>
<td>DENT 642</td>
<td>3</td>
<td>Clinical OMFS 3</td>
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<tr>
<td>EPIB 607</td>
<td>4</td>
<td>Inferential Statistics</td>
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**16.11.1.7 Master of Science (M.Sc.); Dental Sciences (Non-Thesis) (45 credits)**

The M.Sc. degree should normally be completed within two years of full-time study.

**Research Project (6 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Course Name</th>
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<tbody>
<tr>
<td>DENT 670</td>
<td>6</td>
<td>Dental Research Project</td>
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</tbody>
</table>

**Required Courses (20 credits)**

<table>
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<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>BIOE 682</td>
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<td>Medical Basis of Bioethics</td>
</tr>
<tr>
<td>DENT 563</td>
<td>1</td>
<td>Introduction to Research</td>
</tr>
<tr>
<td>DENT 655</td>
<td>3</td>
<td>Health Technology Assessment</td>
</tr>
<tr>
<td>DENT 671</td>
<td>4</td>
<td>Advanced Research Seminar</td>
</tr>
<tr>
<td>EPIB 507</td>
<td>3</td>
<td>Biostatistics for Health Professionals</td>
</tr>
<tr>
<td>EPIB 600</td>
<td>3</td>
<td>Clinical Epidemiology</td>
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<tr>
<td>EXMD 610</td>
<td>3</td>
<td>Biomedical Methods in Medical Research</td>
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**Complementary Courses (19 credits)**

(minimum 19 credits)

19 credits from Stream 1 OR Stream 2:
Stream 1: Basic Science Research Methods

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANAT 663D1</td>
<td>4.5</td>
<td>Histology</td>
</tr>
<tr>
<td>ANAT 663D2</td>
<td>4.5</td>
<td>Histology</td>
</tr>
<tr>
<td>ANAT 690D1</td>
<td>3</td>
<td>Cell and Developmental Biology</td>
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<td>ANAT 690D2</td>
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<tr>
<td>BMDE 505</td>
<td>3</td>
<td>Cell and Tissue Engineering</td>
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<td>DENT 504</td>
<td>3</td>
<td>Biomaterials and Bioperformance</td>
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<td>DENT 654</td>
<td>3</td>
<td>Mechanisms and Management of Pain</td>
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<td>DENT 669</td>
<td>3</td>
<td>Extracellular Matrix Biology</td>
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<td>DENT 673</td>
<td>3</td>
<td>Biotechnology and Entrepreneurship</td>
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<tr>
<td>MIMM 509</td>
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<td>PHGY 517</td>
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<td>Molecular Physiology of Bone</td>
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Stream 2: Clinical and Populational Research Methods

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<tr>
<td>DENT 672</td>
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<td>Applied Mixed Methods in Health Research</td>
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<td>EDEM 692</td>
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<td>Substantive Epidemiology 1</td>
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<td>Evaluation of Health Services</td>
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<td>EPIB 655</td>
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<td>Practical Aspects: Protocol Development</td>
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</tbody>
</table>

Other complementary 500- or 600-level courses at the University may be taken with the approval of the supervisor or research director and GPS.

17 Desautels Faculty of Management

17.1 Dean’s Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master’s degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.
As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada’s most intensive research universities and among the world’s top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

17.2 Graduate and Postdoctoral Studies

17.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td></td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
</tr>
</tbody>
</table>

17.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5

Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

17.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

17.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.
17.4 **Graduate Studies at a Glance**

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

<table>
<thead>
<tr>
<th>Agricultural and Environmental Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>section 14.11.1: Agricultural Economics</em></td>
</tr>
<tr>
<td><em>section 14.11.2: Animal Science</em></td>
</tr>
<tr>
<td><em>section 14.11.3: Bioresource Engineering</em></td>
</tr>
<tr>
<td><em>section 14.11.4: Dietetics and Human Nutrition</em></td>
</tr>
<tr>
<td><em>section 14.11.5: Food Science and Agricultural Chemistry</em></td>
</tr>
<tr>
<td><em>section 14.11.6: Natural Resource Sciences</em></td>
</tr>
<tr>
<td><em>section 14.11.7: Parasitology</em></td>
</tr>
<tr>
<td><em>section 14.11.8: Plant Science</em></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>section 15.11.1: Anthropology</em></td>
</tr>
<tr>
<td><em>section 15.11.2: Art History</em></td>
</tr>
<tr>
<td>Classics, see <em>section 15.11.12: History and Classical Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.4: Communication Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.5: East Asian Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.6: Economics</em></td>
</tr>
<tr>
<td><em>section 15.11.7: English</em></td>
</tr>
<tr>
<td><em>section 15.11.8: French Language and Literature</em></td>
</tr>
<tr>
<td><em>section 15.11.9: Geography</em></td>
</tr>
<tr>
<td><em>section 15.11.10: German Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.11: Hispanic Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.12: History and Classical Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.13: Institute for the Study of International Development</em></td>
</tr>
<tr>
<td><em>section 15.11.14: Islamic Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.15: Italian Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.16: Jewish Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.17: Linguistics</em></td>
</tr>
<tr>
<td><em>section 15.11.18: Mathematics and Statistics</em></td>
</tr>
<tr>
<td><em>section 15.11.19: Philosophy</em></td>
</tr>
<tr>
<td><em>section 15.11.20: Political Science</em></td>
</tr>
<tr>
<td><em>section 15.11.21: Psychology</em></td>
</tr>
<tr>
<td><em>section 15.11.23: Russian and Slavic Studies</em></td>
</tr>
<tr>
<td><em>section 15.11.24: Social Studies of Medicine</em></td>
</tr>
<tr>
<td><em>section 15.11.25: Social Work</em></td>
</tr>
<tr>
<td><em>section 15.11.26: Sociology</em></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Dentistry</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>section 16.11.1: Dentistry</em></td>
</tr>
<tr>
<td>Section</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>Desautels Faculty of Management</td>
</tr>
<tr>
<td>Education</td>
</tr>
<tr>
<td>Engineering</td>
</tr>
<tr>
<td>Law</td>
</tr>
<tr>
<td>McGill School of Environment</td>
</tr>
<tr>
<td>Medicine</td>
</tr>
</tbody>
</table>

### Desautels Faculty of Management

#### Education

- **section 18.11.1**: Educational and Counselling Psychology
- **section 18.11.2**: Information Studies
- **section 18.11.3**: Integrated Studies in Education
- **section 18.11.4**: Kinesiology and Physical Education

### Engineering

- **section 19.11.1**: Architecture
- **section 19.11.2**: Chemical Engineering
- **section 19.11.3**: Civil Engineering and Applied Mechanics
- **section 19.11.4**: Electrical and Computer Engineering
- **section 19.11.5**: Mechanical Engineering
- **section 19.11.6**: Mining and Materials Engineering
- **section 19.11.7**: Urban Planning

### Law

- **section 20.11.1**: Law

### McGill School of Environment

- **section 21.11.1**: Environment

### Medicine

- **section 22.11.1**: Anatomy and Cell Biology
- **section 22.11.2**: Biochemistry
- **section 22.11.3**: Bioethics
- **section 22.11.4**: Biomedical Engineering
- **section 22.11.5**: Communication Sciences and Disorders
- **section 22.11.6**: Epidemiology and Biostatistics
- **section 22.11.10**: Medicine, Experimental
- **section 22.11.8**: Human Genetics
- **section 22.11.9**: Medical Physics
- **section 22.11.11**: Microbiology and Immunology
- **section 22.11.12**: Neuroscience (Integrated Program in)
- **section 23.11.1**: Nursing
- **section 22.11.13**: Occupational Health
- **section 22.11.14**: Otolaryngology – Head and Neck Surgery
- **section 22.11.15**: Pathology
- **section 22.11.16**: Pharmacology and Therapeutics
- **section 24.11.1**: Physical and Occupational Therapy
- **section 22.11.17**: Physiology
- **section 22.11.18**: Psychiatry
17.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

Graduate Diplomas are offered in:

| Clinical Research (Experimental Medicine) | Primary Care Nurse Practitioner |
| Epidemiology and Biostatistics | Professional Performance |
| Islamic Studies | Public Accountancy (C.A.) |
| Library and Information Studies | Registered Dietician Credentialing (R.D.) |
| Mining Engineering | School and Applied Child Psychology (post-Ph.D.) |
| Nursing | Surgical Health Care Research |

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

| Assesing Driving Capabilities | Educational Leadership 2 |
| Air and Space Law | Library and Information Studies |
| Bioresource Engineering (IWRM) | Post-M.B.A. |
| Biotechnology | Teaching English as a Second Language |
| Comparative Law | Theory in Primary Care |
| Educational Leadership 1 | Theory in Neonatology |

All graduate regulations apply to graduate diploma and certificate candidates.
17.4.2 Master’s Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

<table>
<thead>
<tr>
<th>The following master’s degrees are offered (see below for more information about sub-specializations):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
</tr>
<tr>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
</tr>
<tr>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
</tr>
<tr>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
</tr>
<tr>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</td>
</tr>
<tr>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
</tr>
<tr>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
</tr>
<tr>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
</tr>
<tr>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
</tr>
<tr>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
</tr>
<tr>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
</tr>
<tr>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
</tr>
<tr>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
</tr>
<tr>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
</tr>
<tr>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
</tr>
<tr>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
</tr>
<tr>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Social Science, Applied (M.Sc.A. (PT))</td>
</tr>
<tr>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Social Work (M.S.W.)</td>
</tr>
<tr>
<td>Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
</tr>
<tr>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
</tr>
<tr>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

Master of Architecture Degrees

M.Arch. programs offered:
- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

Master of Arts Degrees

Programs leading to the degree of Master of Arts are offered in the following areas:
- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
Education (Thesis and Non-Thesis)
English (Thesis and Non-Thesis)
French (Thesis and Non-Thesis); option in Gender and Women's Studies
Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
German Studies (Thesis and Non-Thesis)
Hispanic Studies (Thesis and Non-Thesis)
Islamic Studies; option in Gender and Women's Studies
Italian Studies (Thesis and Non-Thesis)
Jewish Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Linguistics (Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

Master of Business Administration Degrees

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance
  Global Strategy and Leadership
  Marketing
  Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

  M.B.A. with M.D., C.M.
  M.B.A. with B.C.L. and L.L.B.
  Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

  Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
  Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
  Educational Psychology (Thesis and Non-Thesis)
  Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)
  Kinesiology and Physical Education (Thesis and Non-Thesis)
  Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
  Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

  Educational Psychology

The M.Sc. may be taken in the following area:

  Kinesiology and Physical Education (Thesis and Non-Thesis)
**Master's Degree in Engineering**

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

**Master's Degrees in Law**

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

**Master of Library and Information Studies Degree**

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

**Master's Degrees in Music**

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

**Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

**Master's Degrees in Religious Studies**

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

**Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Communication Sciences and Disorders
Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
Earth and Planetary Sciences; option in Environment
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
Geography; options in Environment, and Neotropical Environment
Genetic Counselling (Non-Thesis)
Human Genetics; option in Bioinformatics
Human Nutrition
Kinesiology and Physical Education (Thesis and Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Mechanical Engineering
Medical Radiation Physics
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
Microbiology and Immunology
Microbiology (Macdonald Campus); option in Environment
Mining and Materials Engineering
Neuroscience
Nursing
Otolaryngology
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Psychiatry
Psychology
Rehabilitation Sciences (Thesis and Non-Thesis)
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
Surgery, Experimental

**Master of Science, Applied, Degrees**

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

Animal Science
Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
Biotechnology
Chemistry
Communication Sciences and Disorders
Human Nutrition
Nursing
Occupational Health
Occupational Therapy
Plant Science
Physical Therapy

Other degrees:

Master of Science, Applied (OT)
Master of Science, Applied (PT)

**Master of Social Work Degrees**
The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

**Master of Urban Planning Degree**

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

## 17.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

<table>
<thead>
<tr>
<th>The following doctoral degrees are offered (see below for more information about sub-specializations):</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

### Doctor of Civil Law Degrees

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

### Doctor of Music Degrees

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

### Doctor of Philosophy Degrees

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
Electrical Engineering

Entomology; options in Environment, and Neotropical Environment

Epidemiology and Biostatistics

Food Science and Agricultural Chemistry

French; option in Gender and Women's Studies

Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment

German

Hispanic Studies

History

Human Genetics; option in Bioinformatics

Human Nutrition

Information Studies

Islamic Studies; option in Gender and Women's Studies

Linguistics; option in Language Acquisition

Management

Mathematics and Statistics; option in Bioinformatics

Mechanical Engineering

Medicine, Experimental; option in Environment

Microbiology and Immunology

Microbiology (Macdonald Campus); options in Bioinformatics, and Environment

Mining and Materials Engineering

Music; option in Gender and Women's Studies

Neuroscience

Nursing; option in Psychosocial Oncology

Occupational Health Sciences

Parasitology; options in Bioinformatics, and Environment

Pathology

Pharmacology and Therapeutics; option in Chemical Biology

Philosophy; options in Environment, and Gender and Women's Studies

Physics

Physiology; option in Bioinformatics

Plant Science; options in Bioinformatics, Environment, and Neotropical Environment

Political Science

Psychology; options in Language Acquisition, and Psychosocial Oncology

Rehabilitation Science

Religious Studies; option in Gender and Women's Studies

Renewable Resources; options in Environment, and Neotropical Environment

Russian

School/Applied Child Psychology

Social Work

Sociology; options in Environment, and Gender and Women's Studies

Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)

Management (McGill/Concordia/H.E.C./UQAM)

Social Work (McGill/Université de Montréal)

17.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.
17.5 Program Requirements

17.5.1 Master's Degrees

Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of **three full-time terms**: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a **minimum residence requirement of four full-time terms**: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred.


Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

17.5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.
It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

### Comprehensive Examinations – Doctoral

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensive Policy”.

### Language Requirements – Doctoral

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

### Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

### Thesis Oral Examination – Doctoral

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

### 17.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.
17.5.4 **Ad Personam Programs (Thesis Option only)**

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

17.5.5 **Coursework for Graduate Programs, Diplomas, and Certificates**

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

17.6 **General Admission for Graduate Studies**

*Note:* The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

**Deadline:** Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

17.6.1 **Application for Admission**

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

17.6.2 **Admission Requirements (minimum requirements to be considered for admission)**

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.
The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

### 17.6.3 Admission Tests

**Graduate Record Examination (GRE)**

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates' specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

**Graduate Management Admissions Test (GMAT)**

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

### 17.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td></td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
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</tbody>
</table>

N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of "C" (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

*Revised – July 2008*
17.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted. In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master’s Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

17.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

17.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

17.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the ‘first department’. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

17.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

17.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student’s department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student’s department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement. If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

17.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

17.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/graduate-studies/financial-assistance

Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimpl/js/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW’s) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

17.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

17.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

17.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.
1. Definition and Status
   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.
   ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions
   i. Appointments may not exceed your registration eligibility status.
   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.
   iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.
   v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges
   i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.
   ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
   iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.
   iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.
   v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.
   vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
   vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning Services. These sessions are usually free of charge.
   viii. Postdocs have access to the services provided by the Ombudsperson.
   ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.
   x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities
   i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.
   ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.
   iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.
iv. Some examples of responsibilities of the department are:
– to verify the Postdoc’s eligibility period for registration;
– to provide Postdocs with departmental policy and procedures that pertain to them;
– to oversee the registration and appointment of Postdocs;
– to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
– to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
– to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
– to include Postdocs in departmental career and placement opportunities;
– to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
– to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
– to provide research guidance;
– to meet regularly with their Postdocs;
– to provide feedback on research submitted by the Postdocs;
– to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
– to provide mentorship for career development;
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:
– to inform themselves of and adhere to the University’s policies and/or regulations for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:
– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

17.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

17.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.
17.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l'Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

17.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

17.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.
1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student’s proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students’ proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student’s departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students’ career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.
4. Quality of Supervision and Teaching
   i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.
   ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.
   iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.
   iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.
   v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

17.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.
2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.
3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.
4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.
5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.
6. All forms are to be kept in departmental files.
7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   • be used annually;
   • be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   • include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation);
   • permit the student to submit a minority report and not sign;
   • state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

Senate, September 2003

17.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999
17.9.4 Ph.D. Comprehensives Policy

Preamble

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

Objectives and Content

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

Format

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

Timing

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

Assessment, Grading and Reporting

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.
Feedback
The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student’s performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

Plagiarism
McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

Failures
i. Repeats
In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism
If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment
Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices
Charter of Student Rights
Graduate Studies Reread Policy
Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

17.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation
In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”.

Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification
In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads
According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).
At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor’s names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching

Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

17.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's "Parental Leave Policy" for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:
• a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
• a written request from the student;
• a Minerva form to drop all courses for all relevant terms;
• a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:
• the student's name, as well as complete contact information for the physician;
• a clear statement by the physician justifying the student’s inability to perform his/her academic duties, with start and end dates;
• if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student’s responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

17.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

17.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

17.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

17.10.1 Policy on Research Ethics


17.10.2 Regulations on Research Policy


17.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

17.10.4 Guidelines for Research Involving Human Subjects


17.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

17.10.6 Policy on Intellectual Property


17.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.
17.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

17.10.9 Office of Sponsored Research


17.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

17.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

17.11 Desautels Faculty of Management

17.11.1 Location

Samuel Bronfman Building
1001 Sherbrooke Street West
Montreal, QC H3A 1G5
Canada

Telephone: 514-398-4066
Website: www.mcgill.ca/desautels

17.11.2 About Desautels Faculty of Management

McGill University offers a variety of programs, which provide graduate-level education in management. All programs have been tailored to meet the special needs and demands of different groups of people. Before embarking on a graduate management education, students should, therefore, be aware of the different and unique features of each program, and select the one which best suits their aspirations and abilities.

Graduate Programs in Management

**M.B.A. Programs**

Master of Business Administration (M.B.A.)

Concentrations

section 17.12.4: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Finance (51 credits)
section 17.12.5: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Global Strategy and Leadership (51 credits)
section 17.12.6: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Marketing (51 credits)
section 17.12.7: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Technology and Innovation Management (51 credits)

section 17.12.8.1: Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) (138 credits)
section 17.12.9.1: M.D./M.B.A.; Management (Non-Thesis) (45 credits)
section 17.12.10.1: Master of Business Administration (M.B.A.); M.B.A./Japan (Non-Thesis) (51 credits)
section 17.12.11.1: Executive Master of Business Administration (E.M.B.A.); Joint Executive M.B.A. (Non-Thesis) (45 credits)

**Master of Management Programs**

section 17.13.1: Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)
section 17.13.2: Master of Management (M.M.); IMPM (Non-Thesis) (45 credits)
section 17.13.3: Master of Management (M.M.); IMPMHL (Non-Thesis) (45 credits)
**Ph.D. Program**

*section 17.14.1: Doctor of Philosophy (Ph.D.); Management*

**Diploma Program and Postgraduate Certificate**

*section 17.15.1: Graduate Certificate: Post-M.B.A. (15 credits)*

*section 17.16.1: Diploma in Public Accountancy (Chartered Accountancy) (30 credits)*

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**17.12 M.B.A. Program**

**About the Master of Business Administration (M.B.A.)**

Students studying on a full-time basis must complete this 51-credit program in two years; part-time students have a five-year time limit.

The first semester of the program features an integrated set of core courses with an emphasis on experiential learning. The remaining three semesters allow the student to specialize in a particular concentration and participate in an international exchange or complete an internship or a practicum, supervised by faculty.

While the standard components of an M.B.A. curriculum (finance, organizational behaviour, strategy, marketing, operations) remain central to this M.B.A. program, they are combined in ways that expose students to the cross-functional realities of managing in, across, and among organizations.

**Master of Business Administration (M.B.A.); Management (Non-Thesis) (51 credits)**

*section 17.12.4: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Finance (51 credits)*

*section 17.12.5: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Global Strategy and Leadership (51 credits)*

*section 17.12.6: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Marketing (51 credits)*

*section 17.12.7: Master of Business Administration (M.B.A.); Management (Non-Thesis) — Technology and Innovation Management (51 credits)*

**Admission Requirements**

Applicants with strong indications of managerial potential are desired. Given below are the minimum entrance criteria. Owing to the large number of applicants to the McGill M.B.A., merely meeting the minimum requirements will not guarantee acceptance.

1. An undergraduate degree from an accredited college or university.
2. A Graduate Management Admission Test (GMAT) is required for all applicants. The GMAT is administered by Pearson Vue. The GMAT program code for the McGill M.B.A. program is 58 H-MN-22. Only a GMAT written within the last five years will be considered valid. GMAT test results must be sent to McGill directly from Pearson Vue; photocopies will not be accepted.
3. Applicants who earned a bachelor degree outside Canada, the United States, Australia, New Zealand, or the United Kingdom, are required to take the Test of English as a Foreign Language. The TOEFL may be waived for graduates of four-year university programs whose language of instruction is English if the university is located in a non-English speaking country. Applicants who are not Canadian citizens and whose mother tongue is not English may be asked to demonstrate an English language competency beyond the submission of the TOEFL score. A minimum score of 600 for paper-based test, or 100 for the Internet-based test with each component score not less than 20, is required. Applicants may write the IELTS (International English Language Testing Systems) instead. A minimum overall band of 7.0 is required, with each component score not less than 7.0.
4. A minimum of two years of full-time work experience, following completion of an undergraduate degree.
5. Two professional letters of reference.
6. Interview.

**M.B.A. Part-time Studies - Admission**

The McGill M.B.A. program may also be completed on a part-time basis. This is meant to accommodate persons with full-time employment. Admission requirements are the same as in “M.B.A. Program – Admission Requirements” above.

**Note:** Students studying on a part-time basis may transfer to full-time upon completion of the core curriculum. Students wishing to do this must meet with the M.B.A. Student Adviser to review their schedule; see “Combined Full-Time and Part-Time Studies” below.

**M.B.A. Admission - Accelerated Study Option**

Candidates who hold a Bachelor of Commerce degree from a recognized North American institution with a minimum cumulative grade point average of 3.0 on a four (4) point scale and possess three or more consecutive years of full-time work experience, following completion of their undergraduate degree, may be considered for the accelerated study option. Candidates will be required to complete the core curriculum and take 10 M.B.A. complementary courses. Applicants applying for the accelerated study option must complete and return the application for accelerated study option.

**M.B.A. Application Procedure**
The McGill M.B.A. full-time and part-time programs begin in September of each year.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

Applications are reviewed on a rolling basis so that the earlier a file is complete, the sooner the applicant may expect to receive an answer. The undergraduate record, GMAT and TOEFL scores (where applicable), work experience, essay, letters of reference, and interviews are the criteria used in making admission decisions. Interviews are scheduled by invitation only.

An online application form is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply) for use by those who wish to apply for entry to graduate studies at McGill. All other documents are to be submitted directly to:

MBA Admissions Office  
Desautels Faculty of Management  
McGill University  
1001 Sherbrooke Street West, Room 302  
Montreal, QC H3A 1G5  
Canada  
Email: mba.mgmt@mcgill.ca  
Website: [www.mcgill.ca/desautels/mba](http://www.mcgill.ca/desautels/mba)

Applicants must submit the online application and arrange for the submission of:

1. a completed Personal Background Sheet;
2. duplicate official transcripts of undergraduate marks (and graduate, if any) forwarded directly by the applicant's university. For international applicants, the academic records must include: transcripts in the original language with official translations (into English), listing courses and grades for each year of study, verifying conferral of degree. These documents must bear the actual signature of the registrar and the official seal or stamp of the institution.
3. the $100 application fee (see "Application Fee Information" below);
4. two professional letters of reference forwarded directly from individuals who have been responsible for evaluating the applicant’s managerial performance and potential;
5. the GMAT score (written within the past five years) and the TOEFL score (where applicable) written within the past two years, forwarded directly from Pearson Vue for GMAT and the Educational Testing Service (see GMAT and TOEFL information in “Admission Requirements” above).

Please note that entrance to the McGill M.B.A. is highly competitive. It is in the applicant's interest to apply as early as possible. Applicants can view their application status via Minerva by visiting [www.mcgill.ca/minerva](http://www.mcgill.ca/minerva).

**Application Fee Information**

The application fee must be paid by credit card at the time of application (online).

Please note that a file will not be opened until an online application is received.

**17.12.1 Procedure for accepting an Offer of Admission to the M.B.A. Program**

**Registration**

All accepted candidates will receive a package outlining registration procedures as well as deadline dates for fee payment.

Candidates who fail to register during the specified registration period may do so later but will be charged a late registration fee by the University.

For more information on registration, please refer to the *Graduate and Postdoctoral Studies General Information, Regulations and Research Guidelines for 2011-2012* available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

**Base Camp**

Base Camp for all new M.B.A. students takes place for two weeks beginning in early August, and covers fundamental quantitative methods. Base Camp is mandatory for all incoming M.B.A. students.

**Orientation**

Orientation for all new M.B.A. students is held during the week following Base Camp. This activity is mandatory for all incoming M.B.A. students.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

**Immigration Documents**

All students who are not citizens or Permanent Residents of Canada are required to obtain the Certificate of Acceptance from Quebec (C.A.Q.) and Study Permit prior to entering the country. Do not leave home without proper documentation. You cannot change your status from Visitor to Student once you are in Canada.
Certificate of Acceptance from Quebec (C.A.Q.): The process to come to Canada begins with an application for a Certificate of Acceptance from Quebec (C.A.Q.). Details on how and where to apply for the C.A.Q. are provided with the McGill Admissions package.

Study Permit: Issued by Canada Immigration through a Canadian Embassy or Consulate. A citizen of the United States, Greenland and/or St. Pierre-Miquelon is permitted to obtain the Student Authorization at a Port of Entry, if in possession of the C.A.Q.

For further information, or if there is an emergency, contact International Student Services by telephone at 514-398-4349 during regular office hours, 09:00 to 17:00, or by email at international.students@mcgill.ca.

17.12.2 Policies and Regulations of the M.B.A.

The following is a brief overview of the rules and regulations of the M.B.A. program. All attending students will be given an academic handbook from the M.B.A. office. Students are responsible for reading and abiding by these rules and regulations.

The McGill M.B.A. (full-time) is designed as a two-year program. The academic year begins in September and ends in April. Students admitted to the Accelerated Study Option may complete the program in a shorter period of time.

Withdrawal from the M.B.A. Program

Students wishing to withdraw from the McGill M.B.A. program must complete a “Withdrawal Form” available from the M.B.A. office. Students will not be considered as officially withdrawn until this form is completed. Students who drop out of the program but do not complete this form will be billed for the full tuition. Refer to the Graduate and Postdoctoral Studies General Information, Regulations and Research Guidelines available at www.mcgill.ca/study for further information. The form is available at www.mcgill.ca/gps/students/registration/ (see “Forms & policies”).

Grading and Promotion Standards

The pass mark for each course is B- (65%).

Failures

Students are permitted one failure in the M.B.A. program. Any subsequent failure, including an unsuccessful supplemental examination, will result in the student being asked to withdraw from the M.B.A. program.

Outside Elective Courses

An outside elective is any course which is not part of the M.B.A. program. This includes courses in other faculties within McGill University or outside McGill University.

Students wishing to take an elective offered in another department at McGill must first obtain approval from the Program Director. Once approval is obtained, students must obtain permission from the department offering the course before registering for the elective with their Faculty.

There are limitations to the number of courses an M.B.A. student can take outside the Desautels Faculty of Management during the M.B.A. program:

1. Students completing a 51-credit program may take 15 credits maximum outside the Desautels Faculty of Management. This does not include courses offered by other faculties at McGill.
2. Students may not take courses outside the Faculty if they are offered within the Faculty unless there are exceptional circumstances.
3. Students may not take language courses as credit toward the M.B.A.

M.B.A. Part-time Studies

Students will follow a lockstep program, which will allow for completion of the core courses during the first year of study. Students must then take a number of cross-disciplinary courses and an experiential component to complete the degree.

A limit of five years is permitted to complete the degree requirements.

Combined Full-Time and Part-Time Studies

There are two options by which students may combine full-time and part-time studies.

Option 1

Upon completion of the entire first year of core courses on a part-time basis, students may request a status change to full-time to complete the remaining requirements as full-time students.

Option 2

Upon completion of the core requirements on a full-time basis, students may request a status change to part-time to complete the degree requirements.

Students wishing to change their status from full-time must make a written request at least four weeks prior to the beginning of the relevant term. These requests should be sent to the M.B.A. Student Adviser.

17.12.3 M.B.A. International Exchange Program

Through the McGill M.B.A. Exchange Program there are exciting opportunities to study abroad.

Participation in the program gives McGill students the opportunity to spend part of their M.B.A. studying at a business school abroad. McGill is part of the Program in International Management (PIM), a consortium of the leading business schools in North America, South America, Europe, and Asia. Exchanges with both PIM and non-PIM schools are available.
The following schools may exchange students with McGill in 2011-2012:

- Asian Institute of Management, Philippines
- Copenhagen Business School, Denmark
- Erasmus University, The Netherlands
- ESADE (Escuela Superior de Administracion y Direccion de Empresas), Spain
- Fudan University, China
- Fundacao Getulio Vargas, Brazil
- HEC (Hautes Études Commerciales), France
- Indian Institute of Management Ahmedabad, India
- Indian Institute of Management Bangalore, India
- Instituto de Estudios Superiores de Administracion (IESA), Venezuela
- IITESM, Mexico
- Luigi Bocconi, Italy
- Manchester Business School, England
- National University of Singapore, Singapore
- Norwegian School of Economics, Norway
- NYU Stern School of Business, U.S.A.
- Stockholm School of Economics, Sweden
- Tel Aviv University, Israel
- Tsinghua University, China
- University of Cologne, Germany
- Universidad Torcuato di Tella, Argentina
- University of Economics, Prague, Czech Republic
- University of Louvain, Belgium
- University of Melbourne, Australia
- University of South Carolina, U.S.A.
- University of St. Gallen, Switzerland
- University of Texas at Austin, U.S.A.
- University of Witwatersrand, South Africa
- Vienna University of Business and Economics, Austria

Non-PIM member:

- Solvay Business School, Brussels, Belgium

17.12.4 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Finance (51 credits)

The Finance Concentration focuses on how firms raise capital and on the optimal allocation of capital for investments. This concentration prepares students for careers in corporate treasury functions, asset management, and investment banking.

Required Core Courses (15 credits)
All M.B.A. students must complete the following core courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGCR 629</td>
<td>1</td>
<td>Global Leadership</td>
</tr>
<tr>
<td>MGCR 650</td>
<td>2</td>
<td>Business Tools</td>
</tr>
<tr>
<td>MGCR 651</td>
<td>4</td>
<td>Managing Resources</td>
</tr>
<tr>
<td>MGCR 652</td>
<td>4</td>
<td>Value Creation</td>
</tr>
<tr>
<td>MGCR 653</td>
<td>4</td>
<td>Markets and Globalization</td>
</tr>
</tbody>
</table>

Required Concentration Courses (6 credits)
Students choosing the Finance concentration must complete these required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINE 622</td>
<td>3</td>
<td>Modern Corporate Finance</td>
</tr>
<tr>
<td>FINE 646</td>
<td>3</td>
<td>Investments and Portfolio Management</td>
</tr>
</tbody>
</table>

Complementary Courses (30 credits)
9 credits selected from the following courses toward the concentration:

- ACCT 618 (3) Financial Reporting: Structure & Analysis
- FINE 541 (3) Applied Investments
- FINE 620 (3) Corporate Mergers
- FINE 630 (3) Fixed Income Markets
- FINE 635 (3) Financial Risk Management
- FINE 639 (3) Derivatives and Risk Management
- FINE 645 (3) Money and Capital Markets
- FINE 648 (3) Applied Corporate Finance
- FINE 660 (3) Global Investment Management
- FINE 665 (3) Investment Strategies and Behavioural Finance
- FINE 690 (3) Advanced Topics in Finance 1
- FINE 693 (3) Global Capital Markets
- FINE 694 (3) International Corporate Finance

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:*  

- BUSA 650 (6) Internship
- BUSA 651 (6) Practicum

* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 51-credit requirement.

17.12.5 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Global Strategy and Leadership (51 credits)

The Global Strategy and Leadership Concentration prepares students for the challenges posed by a globalizing marketplace. The approach is cross-disciplinary and includes courses in strategy, organizational behaviour, and international business. Students will consider questions such as: What issues will the leaders of tomorrow face and how can they best tackle them? How to take a firm international? How to manage a multi-cultural workforce? How to launch a new venture? How to promote sustainable development? Students will develop skills valued by employers in consulting, business development, project management, and related fields.

**Required Core Courses (15 credits)**

All M.B.A. students must complete the following core courses:

- MGCR 629 (1) Global Leadership
- MGCR 650 (2) Business Tools
- MGCR 651 (4) Managing Resources
- MGCR 652 (4) Value Creation
- MGCR 653 (4) Markets and Globalization

**Required Concentration Courses (6 credits)**

Students choosing the Global Strategy and Leadership concentration must complete these required courses:

- MGPO 683 (3) International Business Policy
- ORGB 685 (3) Cross Cultural Management

**Complementary Courses (30 credits)**
9 credits selected from the following courses toward the concentration:

- BUSA 640 (3) Launching New Ventures
- BUSA 660 (3) CEO Insights
- BUSA 690 (3) Advanced Topics in Management 1
- INDR 633 (3) Creating Wealth and Prosperity
- MGPO 615 (3) Consulting for Change
- MGPO 630 (3) Managing Strategy
- MGPO 638 (3) Managing Organizational Politics
- MGPO 640 (3) Strategies for Sustainable Development
- MGPO 645 (3) Strategy in Context
- MGPO 651 (3) Strategic Management: Developing Countries
- MGPO 669 (3) Managing Globalization
- ORGB 633 (3) Managerial Negotiations
- ORGB 640 (3) The Art of Leadership

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:*:

- BUSA 650 (6) Internship
- BUSA 651 (6) Practicum

* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 51-credit requirement.

17.12.6 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Marketing (51 credits)

The Marketing Concentration focuses on the development of skills in understanding customers and markets, creating value through products and services, evaluating the effectiveness of marketing programs, and managing customer relationships.

Required Core Courses (15 credits)

All M.B.A. students must complete the following core courses:

- MGCR 629 (1) Global Leadership
- MGCR 650 (2) Business Tools
- MGCR 651 (4) Managing Resources
- MGCR 652 (4) Value Creation
- MGCR 653 (4) Markets and Globalization

Required Concentration Courses (6 credits)

Students choosing the Marketing concentration must complete these required courses:

- MRKT 657 (3) Buyer Behaviour
- MRKT 658 (3) Marketing Research

Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:
The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

- BUSA 650 (6) Internship
- BUSA 651 (6) Practicum

* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 51-credit requirement.

17.12.7 Master of Business Administration (M.B.A.); Management (Non-Thesis) — Technology and Innovation Management (51 credits)

As technology reshapes the globe and innovations transform markets and organizations, the 21st century manager will be deeply immersed in Technology and Innovation Management. As Information Technology is now present in more products and processes, managers need to understand the processes surrounding its strategic use and development. As manufacturing and service operations now stretch the globe, issues of logistics and supply chain integration become more important. As innovative products increasingly create and transform markets, managers must master the technology development process. This concentration provides tools, frameworks, and integration of all aspects of organizational operations, supply chain, IT processes and innovation management. Students following this concentration will be uniquely qualified to take jobs in new product development, IT strategy, operations and supply chain management, and technology consulting. A unique aspect of the concentration is the capstone project course where students work on solving a real-life technology innovation problem.

Required Core Courses (15 credits)

All M.B.A. students must complete the following core courses:

- MGCR 629 (1) Global Leadership
- MGCR 650 (2) Business Tools
- MGCR 651 (4) Managing Resources
- MGCR 652 (4) Value Creation
- MGCR 653 (4) Markets and Globalization

Required Concentration Courses (6 credits)

Students choosing the Technology and Innovation Management concentration must complete these required courses:

- INSY 606 (3) Technology Management
- MGSC 616 (3) Technology in Action

Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

- INSY 607 (3) Technology Consulting
- INSY 608 (3) Winning with IT
INSY 609 (3) Technology Project Management
INSY 633 (3) Knowledge Management and Technology for Innovation
INSY 645 (3) Managing Electronic Commerce
MGPO 650 (3) Managing Innovation
MGSC 602 (3) Strategic Management of Operations
MGSC 603 (3) Logistics Management
MGSC 605 (3) Total Quality Management
MGSC 615 (3) Procurement and Distribution
MGSC 631 (3) Analysis: Production Operations
ORGB 625 (3) Managing Organizational Change

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

- BUSA 650 (6) Internship
- BUSA 651 (6) Practicum

* Note: Students electing to participate in an International Exchange (12 credits of complementary courses) are exempt from BUSA 650 and BUSA 651. Two additional electives are required to complete the 51-credit requirement.

17.12.8 Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) Admission Requirements and Application Procedures

About the Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)

The Joint Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) and Bachelor of Laws (LL.B.) program is offered by the Desautels Faculty of Management and the Faculty of Law. This joint program provides students the opportunity to pursue legal and administrative aspects of business. Successful candidates graduate with M.B.A., B.C.L., and LL.B. degrees, a trio that prepares them for careers in private and public enterprise, as well as government service.

Admission Requirements

For admission requirements, please refer to the Faculty of Law Admissions site at www.mcgill.ca/law-admissions.

Students wishing information on the Law program should contact:

- Faculty of Law, Admissions Office
- 3544 Peel Street
- Montreal, QC H3A 1W9
- Canada
- Telephone: 514-398-6666

Application Procedures

DATES FOR GUARANTEED CONSIDERATION

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

17.12.8.1 Joint Program: Master of Business Administration (M.B.A.) with Integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) (138 credits)

Students complete 45 credits for the M.B.A. degree and 93 credits for the integrated B.C.L. and LL.B. degrees for a total of 138 credits.

Required - Management (18 credits)
Seminar in Law and Management (3)
Global Leadership (1)
Business Tools (2)
Managing Resources (4)
Value Creation (4)
Markets and Globalization (4)

**Complementary - Management (27 credits)**

Students complete 27 complementary credits toward the M.B.A. degree selected as follows:

- 15 credits toward one of the four concentrations of the M.B.A. degree: Finance, Global Strategy and Leadership, Marketing, or Technology and Innovation Management.
- 12 additional credits at the 500 level or above offered by the Desautels Faculty of Management to complete the 27 credits of complementary courses.

Note: Students may have to follow one or all components of the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement of the M.B.A. depending on their academic background.

**Required - Law (55 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAWG 100D1</td>
<td>3</td>
<td>Contractual Obligations</td>
</tr>
<tr>
<td>LAWG 100D2</td>
<td>3</td>
<td>Contractual Obligations</td>
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<tr>
<td>LAWG 101D1</td>
<td>2.5</td>
<td>Extra-Contractual Obligations/Torts</td>
</tr>
<tr>
<td>LAWG 101D2</td>
<td>2.5</td>
<td>Extra-Contractual Obligations/Torts</td>
</tr>
<tr>
<td>PRAC 147D1</td>
<td>1.5</td>
<td>Introductory Legal Research</td>
</tr>
<tr>
<td>PRAC 147D2</td>
<td>1.5</td>
<td>Introductory Legal Research</td>
</tr>
<tr>
<td>PRAC 155D1</td>
<td>1.5</td>
<td>Legal Ethics and Advocacy</td>
</tr>
<tr>
<td>PRAC 155D2</td>
<td>1.5</td>
<td>Legal Ethics and Advocacy</td>
</tr>
<tr>
<td>PROC 124D1</td>
<td>2</td>
<td>Judicial Institutions and Civil Procedure</td>
</tr>
<tr>
<td>PROC 124D2</td>
<td>2</td>
<td>Judicial Institutions and Civil Procedure</td>
</tr>
<tr>
<td>PROC 200</td>
<td>3</td>
<td>Advanced Civil Law Obligations</td>
</tr>
<tr>
<td>PRV1 144D1</td>
<td>2.5</td>
<td>Civil Law Property</td>
</tr>
<tr>
<td>PRV1 144D2</td>
<td>2.5</td>
<td>Civil Law Property</td>
</tr>
<tr>
<td>PRV3 200</td>
<td>3</td>
<td>Advanced Common Law Obligations</td>
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<tr>
<td>PRV4 144D1</td>
<td>2</td>
<td>Common Law Property</td>
</tr>
<tr>
<td>PRV4 144D2</td>
<td>2</td>
<td>Common Law Property</td>
</tr>
<tr>
<td>PUB2 101D1</td>
<td>3</td>
<td>Constitutional Law</td>
</tr>
<tr>
<td>PUB2 101D2</td>
<td>3</td>
<td>Constitutional Law</td>
</tr>
<tr>
<td>PUB2 111</td>
<td>3</td>
<td>Criminal Law</td>
</tr>
<tr>
<td>PUB3 116D1</td>
<td>2</td>
<td>Foundations</td>
</tr>
<tr>
<td>PUB3 116D2</td>
<td>2</td>
<td>Foundations</td>
</tr>
<tr>
<td>WRIT 400D1</td>
<td>3</td>
<td>Senior Essay</td>
</tr>
<tr>
<td>WRIT 400D2</td>
<td>3</td>
<td>Senior Essay</td>
</tr>
</tbody>
</table>

**Complementary - Law (39 credits)**

Students complete 39 credits of complementary courses toward the B.C.L. and LL.B. degrees.
Complementary - Law, Civil Law (4.5 credits)

Students complete 4.5 credits of civil law courses. The following courses count for their full credit weight as civil law.

- BUS2 561 (3) Insurance
- LEEL 570 (3) Employment Law
- PROC 549 (3) Lease, Enterprise, Suretyship
- PRV1 555 (3) Successions
- PRV2 270 (3) Law of Persons
- PRV4 548 (3) Administration Property of Another and Trusts

Complementary - Law, Common Law (4.5 credits)

Students complete 4.5 credits of common law courses. The following courses count for their full credit weight as common law.

- PRV3 534 (3) Remedies
- PRV4 451 (3) Real Estate Transactions
- PRV4 549 (3) Equity and Trusts
- PRV4 556 (3) Wills and Estates
- PRV5 582 (2) Advanced Torts

Complementary - Law, Civil and Common Law

The following trans-systemic courses count half their credit weight toward the civil law requirement of 4.5 credits and half their credit weight toward the common law requirement of 4.5 credits.

- BUS2 365 (4) Business Associations
- CMPL 522 (3) Medical Liability
- LAWG 200 (3) Commercial Law
- LAWG 273 (3) Family Law
- LAWG 300 (3) Family Property Law
- LAWG 316 (3) Private International Law
- LAWG 400 (4) Secured Transactions
- LAWG 415 (3) Evidence (Civil Matters)
- PRV5 483 (3) Consumer Law

Complementary - Law, Social Diversity and Human Rights (3 credits)

Students must take at least 3 credits from the following courses related to social diversity and human rights.

- CMPL 500 (3) Aboriginal Peoples and the Law
- CMPL 504 (3) Feminist Legal Theory
- CMPL 511 (3) Social Diversity and Law
- CMPL 516 (3) International Development Law
- CMPL 565 (3) International Humanitarian Law
- CMPL 571 (3) International Law of Human Rights
- CMPL 575 (3) Discrimination and the Law
- LAWG 503 (3) Inter-American Human Rights
- LEEL 582 (3) Law and Poverty
- PUB2 105 (3) Public International Law
Complementary - Law, Other Courses (26 credits)

Students select the remaining 26 credits from among Faculty of Law offerings.

17.12.9 M.D./M.B.A. Program Admission Requirements and Application Procedures

About the M.D./M.B.A. Program

The M.D./M.B.A. program recognizes that there is an increasing demand in the health care sector for physicians with management skills and expertise. This is a five-year program in which the first year is spent in the Desautels Faculty of Management completing the M.B.A. core as well as building a solid background in health care management. Then, the students will begin their medical studies, which will be integrated with additional elective courses in management. This will provide opportunity to train well-rounded physician-managers who can eventually pursue interesting careers in a wide range of health care facilities, from the smallest clinic to the largest tertiary health care facility, from research laboratory to university or hospital medical departments. Our graduates will also have career opportunities in the health insurance sector, which is a significant layer of the health care system in a number of countries, including the United States.

Upon graduation, students receive an M.B.A. from the Desautels Faculty of Management and an M.D.,C.M. degree from the Faculty of Medicine.

Note: Students may have to follow one or all components of the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement of the M.B.A. depending on their academic background.

section 17.12.9.1: M.D./M.B.A.; Management (Non-Thesis) (45 credits)

Offered in cooperation with the Faculty of Medicine.

Admission Requirements

Admission requirements for the M.B.A. program can be found in section 17.12: M.B.A. Program.

For the Faculty of Medicine admission requirements, please visit www.mcgill.ca/medadmissions.

Application Procedures

DATES FOR GUARANTEED CONSIDERATION

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Following the evaluation of the complete application package, selected candidates are invited to interviews, after which final admissions decisions are made.

Program Administrator, M.D./M.B.A. Program
McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler
Montreal, QC H3G 1Y6
Canada
Telephone: 514-398-3521
Fax: 514-398-3595

17.12.9.1 M.D./M.B.A.; Management (Non-Thesis) (45 credits)

Required Courses (30 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 646</td>
<td>3</td>
<td>Health Management Capstone</td>
</tr>
<tr>
<td>BUSA 650</td>
<td>6</td>
<td>Internship</td>
</tr>
<tr>
<td>BUSA 698</td>
<td>3</td>
<td>Health Care Systems</td>
</tr>
<tr>
<td>BUSA 699</td>
<td>3</td>
<td>Health Care Management</td>
</tr>
<tr>
<td>MGCR 629</td>
<td>1</td>
<td>Global Leadership</td>
</tr>
<tr>
<td>MGCR 650</td>
<td>2</td>
<td>Business Tools</td>
</tr>
<tr>
<td>MGCR 651</td>
<td>4</td>
<td>Managing Resources</td>
</tr>
<tr>
<td>MGCR 652</td>
<td>4</td>
<td>Value Creation</td>
</tr>
</tbody>
</table>
Elective Courses (15 credits)

Remaining courses chosen from 500- and 600-level courses offered by the Desautels Faculty of Management, and approved by M.D./M.B.A.

Note: Students may have to follow one or all components of the M.B.A. Base Camp (Statistics, Math for Finance, Financial Accounting) prior to commencement of the M.B.A. depending on their academic background.

17.12.10 M.B.A./Japan Admission Requirements and Application Procedures

About the M.B.A./Japan

The McGill MBA Japan program is a weekend MBA program based on the world-leading Integrative MBA program offered by McGill University's Desautels Faculty of Management in Montreal. McGill MBA Japan classes take place at the Hilton Tokyo in Nishi-Shinjuku, Tokyo, placing McGill at the heart of business in Japan and Asia.

For more information visit our website at www.mcgill.ca/desautels/mbajapan.

Admission Requirements

For more information on Admission Requirements, visit our website at www.mcgill.ca/desautels/mbajapan.

Application Procedures

For more information on Application Procedures, visit our website at www.mcgill.ca/desautels/mbajapan.

17.12.11 Joint Executive M.B.A. Admission Requirements and Application Procedures

About the Joint Executive M.B.A.

The E.M.B.A. program is designed both to teach new managerial tools as well as to allow managers to take a step back from the tools and understand their strengths and limitations. It also aims at presenting different models of management and is designed to meet the training needs of managers who currently hold, or who will hold in the future, senior management positions.

It is offered jointly with Hautes Études Commerciales (HEC) - Montreal.

Admission Requirements

For the admission criteria, please consult the following website: www.embamcgillhec.ca/en/admission-criteria/.

Application Procedures

For the application procedures, please consult the following website: www.embamcgillhec.ca/en/application-to-the-program/.

17.12.11.1 Executive Master of Business Administration (E.M.B.A.); Joint Executive M.B.A. (Non-Thesis) (45 credits)

Required Courses (45 credits)

McGill University courses (33 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSA 642</td>
<td>(4)</td>
<td>Reflective Dimension Manager Role</td>
</tr>
<tr>
<td>BUSA 643</td>
<td>(4)</td>
<td>Collaborative Dimension Manager</td>
</tr>
<tr>
<td>BUSA 644</td>
<td>(4)</td>
<td>Analytic Dimension of Manager Role</td>
</tr>
<tr>
<td>BUSA 645</td>
<td>(4)</td>
<td>Worldly Dimension of Manager Role</td>
</tr>
<tr>
<td>BUSA 685</td>
<td>(5)</td>
<td>Managing Change</td>
</tr>
<tr>
<td>BUSA 689</td>
<td>(12)</td>
<td>Integrative Project</td>
</tr>
</tbody>
</table>
17.13 Master of Management Programs Admission Requirements and Application Procedures

About Master of Management Programs

section 17.13.1: Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)

This is a 12-month academic program followed by a four-month industrial internship, offered in collaboration with the Faculty of Engineering. McGill University’s Master of Manufacturing Management (M.M.M.) program attracts professionals from around the world who wish to pursue a career in the effective management of global operations and supply chain. This specialty program is offered jointly through the Desautels Faculty of Management, Faculty of Engineering, and in partnership with industry. The M.M.M. program provides a technical alternative to an M.B.A., with active industry involvement and a targeted focus on manufacturing, supply chain, and logistics operations. During the 11-month academic term, M.M.M. students complete Management and Engineering courses and participate in professional development workshops to hone their leadership and communication skills. This is followed by a four-month industrial internship.

Students should hold an undergraduate degree in engineering or science and have full-time work experience of at least two years in some facet of operations. Students with other academic backgrounds and appropriate industrial experience will be considered, but may have to take one or two qualifying courses. The program is intended mainly for full-time students. Enrolment is limited.

The M.M.M. program is a self-funded program. Tuition for 2012 is approximately $36,500.

section 17.13.2: Master of Management (M.M.); IMPM (Non-Thesis) (45 credits)

Functioning within an authentically international context, this cooperative venture of business schools located in five different countries allows mid-career executives to study topical international business problems on site at universities in France, England, India, Japan, and Canada.

For more information, visit our website at www.impm.org.

section 17.13.3: Master of Management (M.M.); IMPMHL (Non-Thesis) (45 credits)

Applying an experience-based approach to leadership development, this program will recruit practising managers and professionals throughout the health field, and from all parts of the world to learn from each other and gain a better understanding of their own leadership styles, the systems they work in, their organizational contexts, and the work relationships they must build in order to achieve change. For more information visit our website at www.mcgill.ca/desautels/imhl.

Admission Requirements

Please refer to www.impm.org for admission information.

Application Procedures

Please refer to www.mcgill.ca/desautels/imhl/applying for more information.

17.13.1 Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)

Note: This program is either a 56- or 57-credit program.

Required Courses - General Business and Management (11 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGCR 651</td>
<td>Managing Resources</td>
<td>4</td>
</tr>
<tr>
<td>MGCR 652</td>
<td>Value Creation</td>
<td>4</td>
</tr>
<tr>
<td>MGSC 608</td>
<td>Data Decisions and Models</td>
<td>3</td>
</tr>
</tbody>
</table>

Complementary Courses - General Business and Management (6 credits)

6 credits from the following:
ACCT 624 (3) Management Accounting: Planning & Control
INDR 603 (3) Industrial Relations
ORGB 625 (3) Managing Organizational Change
ORGB 632 (3) Managing Teams in Organizations
ORGB 633 (3) Managerial Negotiations
ORGB 640 (3) The Art of Leadership
ORGB 685 (3) Cross Cultural Management

Required Courses - Manufacturing and Supply Chain Operations (15 credits)
MECH 524 (3) Computer Integrated Manufacturing
MGSC 602 (3) Strategic Management of Operations
MGSC 603 (3) Logistics Management
MGSC 605 (3) Total Quality Management
MGSC 631 (3) Analysis: Production Operations

Complementary Courses - Manufacturing and Supply Chain Operations (13 credits)
(12-13 credits)
6 credits from the following:
MECH 526 (3) Manufacturing and the Environment
MGSC 575 (3) Applied Time Series Analysis Managerial Forecasting
MGSC 601 (3) Management of Technology in Manufacturing
MGSC 615 (3) Procurement and Distribution

6-7 credits from the following:
0 or 6 credits from:
Discrete Manufacturing Option
MECH 528 (3) Product Design
MECH 529 (3) Discrete Manufacturing Systems

0-7 credits from:
Process Manufacturing Option
CHEE 571 (3) Small Computer Applications: Chemical Engineering
CHEE 641 (4) Chemical Reaction Engineering

Required Courses - Industry (12 credits)
MECH 627 (9) Manufacturing Industrial Stage
MECH 628 (2) Manufacturing Case Studies
MECH 629 (1) Manufacturing Industrial Seminar
17.13.2 Master of Management (M.M.); IMPM (Non-Thesis) (45 credits)

Research Project (12 credits)
BUSA 689 (12) Integrative Project

Required Courses (33 credits)
BUSA 666 (5) The Practice of Management
BUSA 668 (5) The Venture
BUSA 670 (5) Managing Organizations
BUSA 672 (3) Managerial Exchange
BUSA 675 (5) Managing Context
BUSA 680 (5) Managing People
BUSA 685 (5) Managing Change

17.13.3 Master of Management (M.M.); IMPMHL (Non-Thesis) (45 credits)

Research Project (12 credits)
BUSA 689 (12) Integrative Project

Required Courses (33 credits)
BUSA 666 (5) The Practice of Management
BUSA 668 (5) The Venture
BUSA 670 (5) Managing Organizations
BUSA 672 (3) Managerial Exchange
BUSA 675 (5) Managing Context
BUSA 680 (5) Managing People
BUSA 685 (5) Managing Change

17.14 Joint Ph.D. in Management Admission Requirements and Application Procedures

About the Joint Ph.D. in Management

section 17.14.1: Doctor of Philosophy (Ph.D.); Management

The Ph.D. program in Management is offered jointly by the four Montreal universities: Concordia University, École des Hautes Études Commerciales (affiliated with the Université de Montréal), McGill University, and Université du Québec à Montréal. The program is intended to educate competent researchers and to stimulate research on management problems.

The program represents a number of innovations in doctoral work in the field of administration. First, by cooperating, the four universities are able to make available to its students a diverse pool of approximately 250 professors qualified to direct doctoral-level study and research. Second, the program has been carefully developed to encourage independent, creative work on the part of its students, with close, personal contact with the professors. This program will appeal especially to the mature, experienced candidate with relatively well-defined interests. Across the four member universities, some courses are offered in English and some in French. (All papers may, however, be written in English or French.) This is viewed as a definite advantage of the program for those students who expect to work in Canada or francophone countries after graduation.

The program places considerable emphasis on the theoretical foundations of management and its underlying disciplines. Graduates of the program are expected to have: (1) some knowledge of all the main areas of management, (2) a thorough knowledge of one applied area of management, and one support discipline, (3) a complete command of the research methodologies used in management, and (4) some familiarity with modern theories and methods of the pedagogy of management.
The program consists of three phases: preparation, specialization, and dissertation.

**Phase I – Preparation**

Before entering the program, the student will have selected the area of specialization from the following areas or a combination of them:

- Accounting
- Finance
- Information Systems
- Operations Management
- Marketing
- Organizational Behaviour
- Strategy and Organization
- NSERC CREATE*

* **NSERC CREATE Ph.D. Program on Healthcare Operations and Information Management**: Offered jointly by six Canadian universities: McGill, British Columbia, Ottawa, Queen's, Toronto, and Montréal, this Ph.D. program brings together expertise on healthcare processes, operations research, information systems, and telecommunications engineering.

Some students – notably those with strong master's degrees in administration or related disciplines – have a minimum of work in Phase I; others require up to one academic year of work.

**Phase II – Specialization**

In Phase II, students probe deeply into their chosen area of specialization. With their advisory committee, students work out an individual program of study, which takes about 18 months. The phase focuses on a specialization area and a support field. The specialization area could be one of the basic ones listed in Phase I (for example, marketing or operations management), a sub-area within one of these (such as organizational development within organizational behaviour), or an interdisciplinary area that combines two or more of these (such as behaviour aspects of accounting or international marketing).

The support field is selected to help the student develop a foundation of knowledge in a fundamental discipline that underlies the theory in administration. For example, a student in marketing might select psychology, sociology, or statistics. One in management policy might select political science or general systems theory, or perhaps even philosophy. Other choices are possible.

Students officially enter Phase II of the program when their advisory committee has been established and, together with the student, formally agrees on a proposal for the work to be done in Phase II. Phase II must be approved by the McGill and the Joint Doctoral Committees. This includes the following:

- Doctoral seminars in the specialization area; minimum four courses
- Any other existing graduate-level courses in the specialization area and support field deemed appropriate by the advisory committee; minimum two courses in support field
- Seminar on Research Methodology (MGMT 707, 3 credits) or equivalent approved graduate-level course
- Seminar in Pedagogy (MGMT 706, 3 credits) or Teaching and Learning in Higher Education (EDPH 689, 3 credits)
- Comprehensive Examination (MGMT 701, 0 credits)
- A publishable research paper (MGMT 720, 3 credits)

The advisory committee will normally consist of at least three or four persons; a Chair and others decided upon jointly by the Chair and the student. One of these members will typically come from the support field. Every student's advisory committee must have representation from at least two universities in the joint program.

**Phase III – Dissertation**

The third phase of the program consists of the dissertation in the course of which the student probes deeply into a well-defined research topic. The topic is developed with the thesis committee (at least three members), which may be the same as the Phase II advisory committee or may be reconstituted, again with representation from at least one of the other participating universities. The topic is approved formally by the thesis committee and, once the research is completed and the dissertation written, the student publicly defends the completed thesis.

**Admission Requirements**

Candidates normally hold a master's-level degree, with a strong academic record from a recognized university. Individuals possessing a qualified undergraduate degree with a high GPA will also be considered, and will be required to take additional management graduate courses during their first year in the Ph.D. program.

GMAT (or GRE-General Test) results are required for applications to the doctoral program; this includes McGill master's students applying to the Ph.D. The minimum score required is 600. Tests must have been written within the past five years.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. An institutional version of TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. A minimum score of 100 for the Internet-based test, with each component score not less than 20, is required for admission. Tests must have been written within the past two years.

Files will not be considered unless GMAT (or GRE-General Test) and TOEFL scores are received by the dates for guaranteed consideration.

Students may apply for admission to one or more of the participating universities. These applications will be processed by the individual university to which the applicant has applied and by the joint committee of the four schools. Students' preferences will prevail when more than one participating university is
prepared to accept them. The Ph.D. degree will be granted by the university that admits the student. The program requires a minimum full-time residency of six terms.

Application Procedures

Applications will be considered upon the receipt of all of the following:

1. online application form;
2. two copies of official transcripts of all undergraduate and graduate degrees FORWARDED DIRECTLY BY ORIGINATING UNIVERSITIES. For international applicants, the academic records must include: transcripts in the original language with official translations (in English) listing courses and grades for each year of study, verifying conferral of degree. These documents must bear the actual signature of the registrar and the official seal or stamp of the institution. Please check the International Degree Equivalency website for additional information regarding your particular country: www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency
3. at least two letters of reference from individuals who can assess research potential;
4. test results: TOEFL (where applicable) written within the last two years, and GMAT (or GRE-General Test) written within the last five years – test scores must be forwarded directly from the Educational Testing Service;
5. personal background form (specific questions pertaining to our program); and
6. CV.

No documents submitted as part of the application package will be returned to the applicant.

Admission to graduate programs at McGill is competitive and the final decision rests with Graduate and Postdoctoral Studies.

DATES FOR GUARANTEED CONSIDERATION

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs, Then select the appropriate program. Applications and all supporting documents must be submitted by the dates for guaranteed consideration. All documents are to be submitted directly to:

Ph.D. Program Office
Desautels Faculty of Management
McGill University
1001 Sherbrooke Street West, Room 517
Montreal, QC H3A 1G5
Canada

Email: phd.mgmt@mcgill.ca
Website: www.mcgill.ca/desautels/phd

The addresses of the three other institutions are:

Concordia University
John Molson School of Business
1450 Guy Street
Montreal, QC H3H 0A1
Canada

École des Hautes Études Commerciales
3000 Chemin de la Cote Ste-Catherine
Montreal, QC H3T 2A7
Canada

Université du Québec à Montréal
Département des Sciences Administratives
315 Ste-Catherine Est
Montreal, QC H2X 3X2
Canada

17.14.1 Doctor of Philosophy (Ph.D.); Management

Thesis

Required Courses (9 credits)

Note: Students can take MGMT 706 or EDPH 689.

EDPH 689 (3) Teaching and Learning in Higher Education
Comprehensive Examination (0) MGMT 701
Seminar in Pedagogy (3) MGMT 706
Research Methodology (3) MGMT 707
Research Paper (3) MGMT 720

Complementary Courses (18 credits)

12 credits of specialization courses
6 credits in the support field

17.15 Post-M.B.A. Certificate Admission Requirements and Application Procedures

This program is no longer accepting new students.

About the Post-M.B.A. Certificate

The certificate meets the needs of two groups of professional managers: (1) managers who graduated from an M.B.A. program several years ago and would like to take a series of courses to update their skills; and (2) managers who graduated from an M.B.A. program recently and who would like to broaden the base of their education with a selection of courses that complement their major field of studies. The certificate may be taken on a full-time or part-time basis.

The entrance requirement is an M.B.A. degree from a recognized university with a CGPA that meets the minimum requirements of Graduate and Postdoctoral Studies. Two official transcripts of marks and degree confirmations from all universities attended are required. This includes universities attended on exchange or as visiting students. For international applicants, the academic records and verifying degree conferrals must be submitted in the original language with official translations, listing courses, and grades for each year of study. These documents must bear the actual signature of the registrar and the official seal or stamp of the institution.

Application Procedures

This program is no longer accepting new students.

17.15.1 Graduate Certificate: Post-M.B.A. (15 credits)

This program is no longer accepting new students.

Required Courses

15 credits of M.B.A. courses.

17.16 Diploma in Public Accountancy (Chartered Accountancy) Admission Requirements and Application Procedures

About the Diploma in Public Accountancy (Chartered Accountancy)

Section 17.16.1: Diploma in Public Accountancy (Chartered Accountancy) (30 credits)

The Diploma in Public Accountancy program is under the academic supervision of Graduate and Postdoctoral Studies, and is offered by the Desautels Faculty of Management.

The faculty is comprised of professionally active Chartered Accountants (CAs) with specific areas of expertise. Students benefit from a program of academic counselling, tutoring, and monitoring as they progress through a program in which they are exposed to the latest concepts and practice-related issues.

CAs play leadership roles in public practice, business, industry, government, and education.

Admission Requirements
Option 1:
Students completing a bachelor’s degree from a recognized institution are required to obtain a minimum CGPA of 3.0 out of 4.0*, and successfully complete the nine qualifying courses listed below, or their equivalent:

ACCT 351 Intermediate Financial Acct 1
ACCT 352 Intermediate Financial Acct 2
ACCT 361 Intermediate Mgmt Accounting 1
ACCT 362 Intermediate Mgmt Accounting 2
ACCT 385 Principles of Taxation
ACCT 453 Advanced Financial Accounting
ACCT 455 Dev of Accounting Thought
ACCT 475 Principles of Auditing
ACCT 486 Business Taxation 2

* Admission to the program is very competitive and meeting the minimum requirement does not secure admission.

Option 2:
Graduates of programs other than Bachelor of Commerce or graduates with foreign degrees must complete the following courses through the Centre for Continuing Education’s Diploma in Accounting prior to admission to the Graduate Diploma program. Please note that obtaining the minimum requirements does not secure admission to the program.

CCFC 511 Financial Accounting 1
CCFC 512 Financial Accounting 2
CCFC 513 Financial Accounting 3
CCMA 511 Managerial Accounting 1
CCMA 522 Managerial Accounting 2
CCFC 514 Accounting Theory & Practice
CCAU 511 Auditing 1
CCTX 511 Taxation 1
CCTX 532 Taxation 2

For more information, the School of Continuing Studies can be contacted by telephone at 514-398-6161, or by email at info.conted@mcgill.ca.

Application Procedures
Application forms are available online from our website.

DATES FOR GUARANTEED CONSIDERATION
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

1. Applicants must have an undergraduate university degree from a recognized institution.
2. All students wishing to take courses in the Diploma in Public Accountancy must complete the Application for Admission form available on the web at www.mcgill.ca/gradapplicants/apply.
3. All students must make arrangements to have two copies of the official transcripts of marks and degree confirmations from all universities attended. This includes universities attended on exchange or as visiting students. For international applicants, the academic records must include transcripts and verifying degree conferrals, in the original language as well as the official English translations.
4. Applicants who have been accepted to the program are required to make a $250 (certified cheque or money order) deposit. This fee is non-refundable and will be applied to the student’s fee account.

A deferral of admission may be considered in exceptional cases upon evidence of extenuating circumstances for one year only. A written request should be submitted to the Director of the C.A. program. If approved, students wishing to defer their admission will be required to submit a confirmation deposit of $500 Canadian to secure a place for the following year/term. This fee is non-refundable.

TIME LIMITS
The program must be completed within three years of admission. Time limits will be adjusted accordingly for those students who are granted Advanced Standing or who transfer from one program to another. Students exceeding the time limits may request an extension, in writing, which may be granted under special circumstances with the approval of the Department. Where appropriate, a revised program of study may be recommended.

PROFESSIONAL REQUIREMENTS FOR ADMISSION TO L’ORDRE DES COMPTABLES AGÉÉS DU QUÉBEC (C.A.)
Membership in the Ordre des comptables agréés du Québec and the Canadian Institute of Chartered Accountants entitles Chartered Accountants to practise the profession of Chartered Accountancy.

Admission is based upon meeting the following requirements as indicated in the Chartered Accountants Act (Bill 264):

1. possession of a university degree from a recognized institution;
2. possession of the Graduate Diploma in Public Accountancy;
3. passing of the national Uniform Final Examination given by the Ordre and the CICA;
4. completion of an articling period with a firm of Chartered Accountants which is registered with the Ordre (minimum of two years); this can be done while registered in the C.A. program;
5. a working knowledge of French;
6. Canadian citizenship or Permanent Resident status.

Further information can be obtained from:

Ordre des comptables agréés du Québec
680 Sherbrooke Street West, 18th floor
Montreal, QC H3A 2S3
Canada
Telephone: 514-288-3256
Email: info@ocaq.qc.ca

17.16.1 Diploma in Public Accountancy (Chartered Accountancy) (30 credits)

The program requires completion of nine courses (six 3-credit courses and three 4-credit courses). It is composed of the courses, which cover the theoretical and technical knowledge for entry-level Chartered Accountancy practitioners, and the Uniform Final Examination (C.A. exam).

Required Courses (30 credits)

Summer Year 1 (May - July 15)

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<tr>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACCT 651D1</td>
<td>1.5</td>
<td>Performance Measurement and Reporting</td>
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<tr>
<td>ACCT 657D1</td>
<td>2</td>
<td>Governance and Control</td>
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<tr>
<td>ACCT 659D1</td>
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<td>Business Analysis &amp; Communications</td>
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Fall Year 1

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<th>Course Code</th>
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<tbody>
<tr>
<td>ACCT 651D2</td>
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<td>Performance Measurement and Reporting</td>
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<tr>
<td>ACCT 655</td>
<td>3</td>
<td>Assurance</td>
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<tr>
<td>ACCT 657D2</td>
<td>2</td>
<td>Governance and Control</td>
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<tr>
<td>ACCT 659D2</td>
<td>1.5</td>
<td>Business Analysis &amp; Communications</td>
</tr>
<tr>
<td>ACCT 683</td>
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<td>Tax Planning &amp; Decision Making</td>
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<tr>
<td>ACCT 660D1*</td>
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<td>Internship</td>
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OR

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Winter Year 1

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<td>ACCT 660D2*</td>
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OR

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<tbody>
<tr>
<td>ACCT 685</td>
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<td>Engagement Management</td>
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### 17.17 Desautels Faculty of Management Faculty

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<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Specialization</th>
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<tbody>
<tr>
<td>Dean</td>
<td>Peter A. Todd</td>
<td></td>
</tr>
<tr>
<td>Associate Deans</td>
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</tr>
<tr>
<td>Academic</td>
<td>Morty Yalovsky</td>
<td></td>
</tr>
<tr>
<td>Master's Programs</td>
<td>Tamer Boyaci</td>
<td></td>
</tr>
<tr>
<td>Research &amp; International Relations</td>
<td>Shanling Li</td>
<td></td>
</tr>
<tr>
<td>Student Affairs</td>
<td>Emine Sarigollu</td>
<td></td>
</tr>
<tr>
<td>Directors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Director, Ph.D. Program</td>
<td>Saibal Ray</td>
<td></td>
</tr>
<tr>
<td>Program Chair</td>
<td>Henry Mintzberg</td>
<td><em>International Master's Program in Practising Management (I.M.P.M.)</em></td>
</tr>
<tr>
<td>Co-Director, Master of Management (Manufacturing)</td>
<td>Saibal Ray</td>
<td></td>
</tr>
<tr>
<td>Director, C.A. Program</td>
<td>Julia Scott</td>
<td></td>
</tr>
<tr>
<td>Director, Master's Programs</td>
<td>Donald Melville</td>
<td></td>
</tr>
<tr>
<td>Academic Director (M.B.A. Program)</td>
<td>Tamer Boyaci</td>
<td></td>
</tr>
<tr>
<td>Emeritus Professors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>D. Armstrong; B.A., B.Com.(Alta.), Ph.D.(McG.)</td>
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</tr>
<tr>
<td>Accounting</td>
<td>D.H. Drury; B.Com., M.B.A.(McM.), Ph.D.(N'western), R.I.A.(S.I.A.)</td>
<td></td>
</tr>
<tr>
<td>Operations Management</td>
<td>J.-L. Goffin; Eng., M.S.(Brussels), M.Sc., Ph.D.(Calif.)</td>
<td></td>
</tr>
<tr>
<td>Organizational Behaviour</td>
<td>R.N. Kanungo; B.A., M.A.(Patna), Ph.D.(McG.)</td>
<td></td>
</tr>
<tr>
<td>Operations Management</td>
<td>R.J. Loulou; M.Sc., Ph.D.(Calif.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>G.A. Whitmore; B.Sc.(Manit.), M.Sc., Ph.D.(Minn.)</td>
<td></td>
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<tr>
<td>Professors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organizational Behaviour</td>
<td>N.J. Adler; B.A., M.B.A., Ph.D.(Calif.-LA)</td>
<td></td>
</tr>
<tr>
<td>General Management</td>
<td>A. Bechara; Ph.D.(Tor.)</td>
<td></td>
</tr>
<tr>
<td>Industrial Relations</td>
<td>U. Bockenholt; Dipl.(Oldenburg, Germany), Ph.D.(Chic.), Ph.D.(Oldenberg, Germany)</td>
<td><em>Marketing (Bell Professor in eMarketing)</em></td>
</tr>
<tr>
<td>Managerial Economics</td>
<td>R. Brenner; B.Sc., M.A., Ph.D.(Hebrew)</td>
<td><em>Repap Professor of Economics</em></td>
</tr>
<tr>
<td>Marketing</td>
<td>L. Dubé; B.Sc.(Laval), M.B.A.(HEC), M.P.S., Ph.D.(Cnell)</td>
<td><em>James McGill Professor</em></td>
</tr>
<tr>
<td>Finance</td>
<td>V.R. Errunza; B.Sc.(Tech.)(Bom.), M.Sc., Ph.D.(Calif.)</td>
<td><em>Finance</em></td>
</tr>
<tr>
<td>General Management</td>
<td>R. Hebdon; B.A., M.A., Ph.D.(Tor.)</td>
<td><em>General Management-Industrial Relations</em></td>
</tr>
</tbody>
</table>
**Professors**

M.D. Lee; B.A.(Eckerd), M.Ed.(Temple), M.A.(S. Florida), Ph.D.(Yale) – Organizational Behaviour  
S. Li; M.S.(Georgia), Ph.D.(Texas) – Management Science  
H. Mintzberg; B.Eng.(McG.), B.A.(Sir G. Wm.), M.B.A., Ph.D.(MIT) – Strategy and Organization (John Cleghorn Professor of Management Studies)  
A. Pinsonneault; B.C.(C'dia), M.Sc.(HEC), Ph.D.(Calif.) – Information Systems (James McGill Professor)  
V. Verter; B.A., M.S.(Bogaziçi), Ph.D.(Bilkent) – Operations Management

**Associate Professors**

T. Boyaci; B.S.(Middle-East Tech., Turkey), M.S., Ph.D.(Col.) – Operations Management  
F. Carrieri; Laurea-Law(Universita'di Bari), M.A., Ph.D.(USC) – Finance  
P. Christofferson; B.A.(Copen.), M.A., Ph.D.(Penn.) – Finance  
S. Christofferson; B.A.(Qu.), M.A.(Br. Col.), Ph.D.(Penn.) – Finance  
B. Croitoru; D.I.A.F(Institut de Statistique, Univ. Pierre et Marie Curie), Ph.D.(Wharton) – Finance  
R. David; B.Eng., M.B.A.(McG.), Ph.D.(C'nell) – Strategy and Organization  
A. de Motta; B.A.(Universidad De Valencia, Spain) – Finance  
J. Ericsson; M.Sc., Ph.D.(Stockholm Sch. of Econ.) – Finance  
H. Etemad; B.S.C., M.Eng.(Tehran), M.S., M.B.A., Ph.D.(Calif.) – International Business  
S. Faraj; B.S.(Wisc.), M.S.(MIT), DBA – MIS  
S. Fortin; B.A.(U. du Québec à Rimouski), Ph.D.(Wat.) – Accounting  
M. Graham; M.A., M.B.A., Ph.D.(Harv.) – Strategy and Organization  
K. Jacobs; B.A., M.A.(Cath. U. of Louvain), Ph.D.(Pitts.) – Finance  
A.M. Jaeger; B.Sc.(’western), M.B.A., Ph.D.(Stan.) – Organizational Behaviour  
M.-S. Jo; B.Com.(Hankuk U., Korea), M.B.A.(Mich.), M.S.(Ill.), Ph.D.(Colo.) – Marketing  
J. Jorgensen; B.A., M.A.(N. Carolina), Ph.D.(McG.) – Strategy and Organization  
L. Lapointe; B.A., M.Sc.(Montr.), Ph.D.(HEC) – Information Systems  
S. Maguire; B.Sc.(Qu.), M.B.A.(Br. Col.) – Strategy and Organization  
K. Moore; B.Sc.(Ambassador U.), M.B.A.(USC), Ph.D.(York) – Marketing/Strategy & Organization (Part-time)  
A. Mukherjee; B.Eng.(Jadavpur), M.B.A.(Indian Inst. Manag.), Ph.D.(Texas-Austin) – Marketing  
W. Oh; B.A.(SUNY), M.B.A.(George Washington). M.Phil., Ph.D.(Stern) – Information Systems  
P. Perez-Aleman; B.Sc.(Calif., Berk.), Ph.D.(MIT) – Strategy and Organization  
S. Ray; B.E.(Jadavpur), M.E.(Asian I.T.), Ph.D.(Wat.) – Operations Management  
E. Sarigollu; B.A., M.B.A.(Bogaziçi), M.A., Ph.D.(Penn.) – Marketing  
S. Sarkissian; M.S.(Calif., Berk.), Ph.D.(Wash.) – Finance  
O. Toulan; B.Sc.(G'town), Ph.D.(MIT) – Strategy and Organization  
D. Vakratsas; B.Sc.(Aristotle U.), M.Sc., Ph.D.(Texas) – Marketing  
M. Yalovsky; B.Sc., M.Sc., Ph.D.(McG.) – Operations Management

**Assistant Professors**

A. Animesh; B.Com.(Delhi), M.I.S.(Carn. Mell), Ph.D.(Md.) – Decision and Information Systems  
R. Barbulescu; B.A.(Stan.), M.Sc., Ph.D.(INSEAD) – Organizational Behaviour  
L. Barras; B.Com., M.Sc, Ph.D.(Geneva) – Finance  
G. Bassetier; B.Com., M.Sc.(HEC) – Information Systems
Assistant Professors

M. Bouvard; Ph.D.(Toulouse) – Finance
S. Cha; B.A., M.A., Ph.D.(Harv.) – Organizational Behaviour
A. Chakrabarti; B.Sc.(Calc.), M.S.(Indian Statistical Inst.), M.Sc.(National), Ph.D.(Duke) – Management
T. Dotzel; Ph.D.(Texas) – Marketing
D. Etzion; B.Sc.(Ben-Gurion), M.Sc.(Tel Aviv), Ph.D.(Navarra) – Strategy and Organization
R. Goyenko; B.S.(Ukraine), M.A.(Budapest), M.S.(Italy), Ph.D.(Ind.) – Finance
M. Gumus; B.S.(Naval Academy), M.S., M.A., Ph.D.(Calif.) – Industrial Engineering and Operations Research
K. Han; B.S., M.S.(KAIST), Ph.D.(Minn.) – Information Systems
R. Huising; B.A.(Alta.), M.Sc.(Lond.), Ph.D.(MIT) – Organizational Behaviour
P. Kalyta; M.B.A., Ph.D.(C'dia) – Accounting
S. Li; M.S.(Georgia), Ph.D.(Austin) – Operations Management
S. Mathur; B.Eng.(Roorkee), M.Sc.(Ill.-Urbana-Champaign), M.Sc., Ph.D.(Carn. Mell) – Marketing
S. Mishra; B.A., M.A.(Delhi), M.B.A., Ph.D.(Ind.) – Marketing
A. Nain; B.A.(Delhi), M.Sc.(Warw.), Ph.D.(Mich.) – Finance
I. Okhatomovskiy; B.A. equivalent(Moscow), M.S. equivalent(Academy of National Economy), Ph.D.(USC) – Strategy
M. Qiu; B.A.(Huazhong), M.A.(S. Fraser), Ph.D.(Alta.) – Marketing
J. Ramprasad; B.S.(L.A. Marshall), Ph.D.(Calif., Irvine) – Information Systems
Z. Singer; B.A.(Tel-Aviv), M.B.A.(Wash.), Ph.D.(Calif.) – Accounting
J. Struber; Ph.D.(MIT) – Strategy and Organization
D. Tsang; B.Com., M.A.(Tor.), M.S., Ph.D.(Calif., Berk.) – Accounting
R. Vaidyanathan; Ph.D.(Penn.) – Operations Management
H. Vough; Ph.D.(Ill.-Urbana-Champaign) – Organizational Behaviour
D. Zhang; B.S., M.S.(Chongqing), Ph.D.(Minn.) – Industrial Engineering
S. Zhang; M.B.A.(Louvain), Ph.D.(Calif., Irvine) – Accounting

Faculty Lecturers

S. Basu; B.Sc.(Calc.), M.A.(Tufts), Ph.D.(Pitt.) – General Management
R. Cecere; B.Com., G.D.P.A.(McG.) – Accounting
M. Chaudhury; B.A., M.A.(Dhaka), M.A.(Wat.), Ph.D.(S. Fraser) – Finance
L. Chauvin; B.A.(Ott.), M.A.(C'dia) – Strategy and Organization
V. di Pietro; B.Eng.(McG.), M.M.F.(Tor.), Ph.D.(N’western) – Finance
R. Donovan; B.Com.(McG.), GDIT(C'dia) – Information Systems
C. Fortin; B.Com.(McG.), GDPA (McG.) – Accounting
S. Gagnon; B.A.(Br. Col.); M.Sc.(Oxf.) – Organizational Behaviour
L. Gialloreto; B.A.(W. Ont.), M.B.A.(McG.), B.A. Law(Car.), LL.M.(McG.) – Marketing
L. Goldsman; B.Com.(C'dia), D.P.A.(McG.), C.A. – Accounting
L. Hammami; B.Com., M.B.A.(Laval) – Finance
D. Hart; B.Sc., M.B.A.(McG.), M.Sc.(C'dia) – Operations Management
D. Lank; C.M., A.B.(Princ.), F.R.S.A – General-Industrial Relations
P. Levy; B.Com.(C'dia), D.P.A., M.B.A.(McG.) – Accounting
S. Madan; B.S.(MIT), M.B.A. equivalent(Ahmadabad) – Finance
Faculty Lecturers

P. McCully – Strategy
J. Scott; B.A.(W. Ont.), M.B.A.(York) – Accounting
B. Smith; B.A., M.A.(Dublin), M.Sc.(Alta.), M.Sc.(A.) (McG.), Ph.D.(Qu.) – Operations Management
C. Westgate; B.A., M.B.A.(McM.) – General-Industrial Relations
G. Zabowski; B.Com., M.B.A.(McG.) – Operations Management

18 Faculty of Education

18.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

18.2 Graduate and Postdoctoral Studies

18.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(‘C’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
</tr>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
<td>Director (Recruitment and Retention)</td>
</tr>
</tbody>
</table>
18.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5

Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

18.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

18.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

18.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

**Agricultural and Environmental Sciences**
section 14.11.1: Agricultural Economics
section 14.11.2: Animal Science
section 14.11.3: Bioresource Engineering
section 14.11.4: Dietetics and Human Nutrition
section 14.11.5: Food Science and Agricultural Chemistry
section 14.11.6: Natural Resource Sciences
section 14.11.7: Parasitology
section 14.11.8: Plant Science

**Arts**
section 15.11.1: Anthropology
section 15.11.2: Art History
Classics, see section 15.11.12: History and Classical Studies
section 15.11.4: Communication Studies
section 15.11.5: East Asian Studies
section 15.11.6: Economics
section 15.11.7: English
section 15.11.8: French Language and Literature
section 15.11.9: Geography
section 15.11.10: German Studies
Arts
section 15.11.1: Hispanic Studies
section 15.11.2: History and Classical Studies
section 15.11.3: Institute for the Study of International Development
section 15.11.4: Islamic Studies
section 15.11.5: Italian Studies
section 15.11.6: Jewish Studies
section 15.11.7: Linguistics
section 15.11.8: Mathematics and Statistics
section 15.11.9: Philosophy
section 15.11.10: Political Science
section 15.11.11: Psychology
section 15.11.12: Social Studies of Medicine
section 15.11.13: Social Work
section 15.11.14: Sociology

Dentistry
section 16.11.1: Dentistry

Desautels Faculty of Management
section 17.11: Desautels Faculty of Management

Education
section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering
section 19.11.1: Architecture
section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law
section 20.11.1: Law

McGill School of Environment
section 21.11.1: Environment
Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics

Experimental Medicine, see section 22.11.10: Medicine, Experimental

section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 23.11.1: Nursing
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research

Religious Studies

section 25.11.1: Religious Studies

Schulich School of Music

section 26.11.1: Schulich School of Music

Science

section 27.11.1: Atmospheric and Oceanic Sciences
section 27.11.2: Biology
section 27.11.3: Chemistry
section 27.11.4: Computer Science
section 27.11.5: Earth and Planetary Sciences
section 15.11.9: Geography
section 15.11.18: Mathematics and Statistics
section 27.11.8: Physics
section 15.11.21: Psychology

18.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.
Graduate Diplomas are offered in:

<table>
<thead>
<tr>
<th>Diploma Program</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Research (Experimental Medicine)</td>
<td>Primary Care Nurse Practitioner</td>
</tr>
<tr>
<td>Epidemiology and Biostatistics</td>
<td>Professional Performance</td>
</tr>
<tr>
<td>Islamic Studies</td>
<td>Public Accountancy (C.A.)</td>
</tr>
<tr>
<td>Library and Information Studies</td>
<td>Registered Dietician Credentialing (R.D.)</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>School and Applied Child Psychology (post-Ph.D.)</td>
</tr>
<tr>
<td>Nursing</td>
<td>Surgical Health Care Research</td>
</tr>
</tbody>
</table>

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

<table>
<thead>
<tr>
<th>Certificate Program</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessing Driving Capabilities</td>
<td>Educational Leadership 2</td>
</tr>
<tr>
<td>Air and Space Law</td>
<td>Library and Information Studies</td>
</tr>
<tr>
<td>Bioresource Engineering (IWRM)</td>
<td>Post-M.B.A.</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Teaching English as a Second Language</td>
</tr>
<tr>
<td>Comparative Law</td>
<td>Theory in Primary Care</td>
</tr>
<tr>
<td>Educational Leadership 1</td>
<td>Theory in Neonatology</td>
</tr>
</tbody>
</table>

All graduate regulations apply to graduate diploma and certificate candidates.

### 18.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

<table>
<thead>
<tr>
<th>Master's Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>The following master’s degrees are offered (see below for more information about sub-specializations):</td>
<td>Prerequisites</td>
</tr>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>with integrated Bachelor of Civil Law (B.C.L.) / Bachelor</td>
<td></td>
</tr>
<tr>
<td>of Laws (LL.B.)</td>
<td></td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of</td>
<td>See Management.</td>
</tr>
<tr>
<td>Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</td>
<td></td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
</tbody>
</table>
The following master’s degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

**Master of Architecture Degrees**

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).
Special programs:

- M.B.A. with M.D., C.M.
- M.B.A. with B.C.L. and L.L.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies
The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

**Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

**Master's Degrees in Religious Studies**

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

**Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
- Physics
- Physiology; option in Bioinformatics
- Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
- Psychiatry
- Psychology
- Rehabilitation Sciences (Thesis and Non-Thesis)
- Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
- Surgery, Experimental
Master of Science, Applied, Degrees
This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

Master of Social Work Degrees
The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.

Master of Urban Planning Degree
The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

18.4.3 Doctoral Degrees
Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

The following doctoral degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

Doctor of Civil Law Degrees
Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

Doctor of Music Degrees
The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

Doctor of Philosophy Degrees
Programs leading to the degree of Doctor of Philosophy are offered in the following areas:
Anatomy and Cell Biology
Animal Science; option in Bioinformatics
Anthropology; option in Neotropical Environment
Architecture
Art History; option in Gender and Women's Studies
Atmospheric and Oceanic Sciences
Biochemistry; options in Bioinformatics, and Chemical Biology
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
Biomedical Engineering; option in Bioinformatics
Bioresource Engineering; options in Environment, and Neotropical Environment
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Classics
Communication Studies; option in Gender and Women's Studies
Communication Sciences and Disorders; option in Language Acquisition
Computer Science; option in Bioinformatics
Counselling Psychology
Earth and Planetary Sciences; option in Environment
Economics
Educational Psychology
Educational Studies; option in Gender and Women's Studies
Electrical Engineering
English
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics
Food Science and Agricultural Chemistry
French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
The following joint Ph.D. programs are offered:

- Nursing (McGill/Université de Montréal)
- Management (McGill/Concordia/H.E.C./UQAM)
- Social Work (McGill/Université de Montréal)

### 18.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

### 18.5 Program Requirements

#### 18.5.1 Master's Degrees

**Residence Requirements – Master's Degrees**

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of **three full-time terms**: M.Arch, M.A., M.Eng., LL.M., M.Mus. (**except** M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (**except** M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a **minimum residence requirement of four full-time terms**: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M.; Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

**Coursework – Master's Degrees**

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be **credited** toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, or internship; and practicum) can be credited. If an **exemption** is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

**Research and Thesis – Master's Degrees**

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a **Nomination of Examiners** form, in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and
Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

18.5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.
Thesis Oral Examination – Doctoral

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate’s department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate’s department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

18.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master’s (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master’s and Doctoral Programs”, available from GPS.

18.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master’s (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

18.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

18.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

18.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to, transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).
It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

18.6.2 Admission Requirements (minimum requirements to be considered for admission) Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

18.6.3 Admission Tests

Graduate Record Examination (GRE) The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT) Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

18.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
</table>

(Faculty of Education)

McGill University, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012

(Published September 13, 2011)
GRADUATE AND POSTDOCTORAL STUDIES PROGRAMS, COURSES AND UNIVERSITY REGULATIONS

<table>
<thead>
<tr>
<th>Competency in English</th>
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</thead>
<tbody>
<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
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</table>

* N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of ”C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

18.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

18.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

18.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

18.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

18.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.
Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

18.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student’s department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


18.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

18.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimpl/js/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW’s) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.
18.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

18.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

18.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration

i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions

i. Appointments may not exceed your registration eligibility status.

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering
the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

– to verify the Postdoc’s eligibility period for registration;
– to provide Postdocs with departmental policy and procedures that pertain to them;
– to oversee the registration and appointment of Postdocs;
– to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
– to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
– to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
– to include Postdocs in departmental career and placement opportunities;
– to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

– to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
– to provide research guidance;
– to meet regularly with their Postdocs;
– to provide feedback on research submitted by the Postdocs;
– to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
– to provide mentorship for career development;
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.
18.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

18.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca gps postdocs becoming leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

18.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.
18.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

18.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students’ Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

   i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

   ii. As soon as possible, students should have a supervisor who has competence in the student’s proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

   i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

   ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students’ proposed areas of research or to the development of related areas of scholarship.

   iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

   iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

   v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year’s research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student’s departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

   vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).
vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

18.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should report his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.
5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

Senate, September 2003

18.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

18.9.4 Ph.D. Comprehensives Policy

Preamble

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

Objectives and Content

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

• knowledge of the discipline (from the point of view of breadth)
• understanding of the proposed field of research
• ability to conduct independent and original research
• a thesis proposal
• professional skills
• ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

Format
The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an "outside" committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravene McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of IH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

**Other Relevant Policies/Offices**
Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.
18.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

18.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

18.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

18.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

18.10.1 Policy on Research Ethics

18.10.2 Regulations on Research Policy

18.10.3 Policy on Research Integrity
Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

18.10.4 Guidelines for Research Involving Human Subjects

18.10.5 Guidelines for Research with Animal Subjects
Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

18.10.6 Policy on Intellectual Property

18.10.7 Regulations Governing Conflicts of Interest
Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

18.10.8 Safety in Field Work
Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldwork safety.

18.10.9 Office of Sponsored Research

18.10.10 Postdocs
Please see www.mcgill.ca/gps/postdocs.

18.10.11 Research Associates
A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

18.11 Academic Programs
The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

18.11.1 Educational and Counselling Psychology

18.11.1.1 Location
Department of Educational and Counselling Psychology
Education Building, Room 614
3700 McTavish Street
Montreal, QC H3A 1Y2
Canada

Telephone – Program Information: 514-398-4242
Fax: 514-398-6968
Email: ecpinfo.education@mcgill.ca
18.11.1.2 About Educational and Counselling Psychology

The Department of Educational and Counselling Psychology (ECP) programs and research examine the interplay between complex human systems (cognitive, social, emotional, behavioural, and biological) to maximize: (a) learning, (b) wellness (mental and physical), and (c) human development in multiple settings and throughout the lifespan. More specifically, with both typical and atypical populations in mind, they examine issues pertaining to assessment and intervention, cognitive processes and developmental neuroscience, and the design and evaluation of learning environments and instructional practices. While ECP’s primary disciplinary bases are psychology and education, it contributes to and is enriched by extended interdisciplinary collaborations with, among others, medicine and other health professions, neurosciences, computer science, science, social work and policy, and law.

Students in our programs benefit from having access to the McGill Psychoeducational and Counselling Clinic and the Departmental Assessment Library. To develop their professional skills in assessment, therapy, and supervision, students are equipped with the latest standardized materials and a state-of-the-art venue within which to conduct psychological and cognitive assessments. Our professional programs also have established connections with world-class public and private organizations, which include health care facilities and school boards where students receive supervised training for internships and practica. Our faculty members are involved in intra- and interdisciplinary collaborative research locally, nationally, and internationally. These networks offer students valuable exposure to, and connection with, different research laboratories, research leaders, and professional organizations. Students benefit from international mobility programs and specialized training offered in specific locations. Working closely with faculty members in their research teams, our students enrolled in research-based M.A. and Ph.D. programs have proven very successful in obtaining major external fellowships from bodies such as SSHRC, FQRSC, FRSQ, and CIHR.

Our graduates secure careers in a varied and rewarding range of settings. These include, but are not limited to, academic and research settings, professional psychology (counselling and school psychology), specialized and innovative teaching, educational research, development and leadership at all levels (e.g., schools, colleges and universities, school boards, ministries of education), staff development, and education in the professions.

Master of Arts (M.A.) Degrees

Students can obtain an M.A. degree in:

1. Counselling Psychology (Non-Thesis) with major concentrations in:
   - Project (coursework and research based)
   - Professional/Internship (coursework and internship based)

2. Educational Psychology with streams in:
   - Health Professions Education
   - Human Development
   - Learning Sciences
   - School/Applied Child Psychology

Master of Education (M.Ed.) Degrees

Students can obtain an M.Ed. degree in Educational Psychology. Please note these are all non-thesis options. The M.Ed. program in Educational Psychology offers streams in:

- Family Life Education (admissions to Family Life Education Stream are currently suspended)
- General Educational Psychology
- Inclusive Education
- Learning Sciences

Doctor of Philosophy (Ph.D.) Degrees

Students can obtain a Ph.D. degree in:

1. Counselling Psychology

2. Educational Psychology with specialization in:
   - Human Development
   - Learning Sciences

3. School/Applied Child Psychology

Postdoctoral Degrees

The Department of Educational and Counselling Psychology offers one postdoctoral diploma:

- Post-Ph.D. Graduate Diploma in School/Applied Child Psychology

For information about these graduate programs please view our website at [www.mcgill.ca/edu-ecp/prospective/graduate](http://www.mcgill.ca/edu-ecp/prospective/graduate) or please contact the appropriate Program Coordinator/Adviser.
Graduate Degrees in Counselling Psychology

opportunities for training and research to selected students. For a comprehensive list of such groups, consult our website at www.mcgill.ca/edu-ecp/centres.

The Department houses a number of training and research units and maintains working relationships with specialized centres and research groups that offer Research/Training Facilities

other undergraduate degrees may apply to enter the B.Ed. with Advanced Standing.

Graduate Program Adviser
Mr. Alexander Nowak
Telephone: 514-398-4245
Email: counsellingsych.education@mcgill.ca or schoolpsych.education@mcgill.ca.

Professional Accreditation

The Ph.D. in School/Applied Child Psychology is accredited by the American Psychological Association (APA). The Ph.D. in Counselling Psychology is jointly accredited by the Canadian Psychological Association (CPA) and the APA. The Ordre des psychologues du Québec (OPQ) accredits both the Ph.D. in Counselling Psychology and the Ph.D. in School/Applied Child Psychology.

Note: The APA will no longer accredit programs outside of the United States of America effective September 1, 2015. The implication of this decision for students is that those who graduate from our programs after this date cannot attest to having graduated from an APA-accredited program. For further information regarding APA accreditation see: www.apa.org/support/education/accreditation/international.aspx#answer.

Important addresses:

APA – Committee on Accreditation, 750 First Street NE, Washington, DC, 20002-4242, U.S.A.; Telephone: 1-800-374-2721
CPA – 151 Slater Street, Suite 205, Ottawa, ON, K1P 5H3, Canada; Telephone: 1-888-472-0657
OPQ – 100 Beaumont, Ste. 510, Mount-Royal, QC, H3P 3H5, Canada; Telephone: 514-738-1881

Graduate degrees in Counselling Psychology or School/Applied Child Psychology, and elsewhere in Educational Psychology, do not lead to teaching certification – see the Undergraduate Programs, Courses and University Regulations publication for B.Ed. programs (www.mcgill.ca/study). Holders of other undergraduate degrees may apply to enter the B.Ed. with Advanced Standing.

Research/Training Facilities

The Department houses a number of training and research units and maintains working relationships with specialized centres and research groups that offer opportunities for training and research to selected students. For a comprehensive list of such groups, consult our website at www.mcgill.ca/edu-ecp/centres.

Graduate Degrees in Counselling Psychology

**section 18.11.1.5: Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Professional/Internship (60 credits)**

The aim of the M.A. (Non-Thesis) in Counselling Psychology (Professional/Internship) is to produce graduates who:

1. are trained in the major applied areas of counselling;
2. will be qualified to work in a variety of settings where educational, vocational, personal, and developmental counselling is offered; and
3. have had an extensive supervised internship in either a clinical or educational setting;

To do so, the training program emphasizes career and vocational theory and development, individual and group counselling skills, the integration of multicultural, gender, and other diversity theories into practice, and diagnosis and assessment procedures.

Students take a combination of theoretical and practical courses throughout the completion of their degree. Most coursework is taken during their first year (including the summer semester) while also completing a practicum in the Department’s Psychoeducational and Counselling Clinic. In their second year, students are on-site at internship placements for three full days per week while attending classes on their remaining two days.

Accredited upon graduation by the Ordre des conseillers et conseillères d'orientation du Québec (OCCOQ), this program prepares students to work in the field as Counsellors in settings such as CLSCs, schools, community, rehabilitation, and vocational guidance centers, governmental, non-governmental, or private settings. All students must also attend weekly case conferences.

**section 18.11.1.6: Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Project (45 credits)**

The M.A. (Non-Thesis) in Counselling Psychology (Project) is designed to produce graduates with introductory academic preparation for research or clinical careers in counselling psychology. Training is provided in the research domain through coursework in data analysis and a research project. Clinical preparation is initiated in the program through coursework in ethics, intervention, assessment, psychological testing, and multicultural issues and through a practicum. Most coursework is taken during their first year of studies while beginning work on their research projects. In their second year, students gain practical experience via a practicum in the Department’s Psychoeducational and Counselling Clinic while also completing the majority of their work on the research project. The degree alone does not fulfill the requirements for membership in the orders that certify either guidance counsellors (OCCOQ) or psychologists (OPQ) in Quebec.
section 18.11.1.7: Doctor of Philosophy (Ph.D.); Counselling Psychology

Student pursuing a Ph.D. in Counselling Psychology take a combination of theoretical, practical, and research-based courses throughout the course of their degree. It draws upon a number of difference sciences (including developmental, social, career and neuropsychology and personality theory) to develop critically-astute researchers and exceptionally-skilled clinicians. Building on the M.A. in Counselling Psychology: Project concentration (or equivalent), the program offers opportunities in Practicum, Supervision, and full-year Internships to develop clinical skills while also working towards the completion of a Doctoral dissertation (thesis). The Ph.D. program, has the following aims:

1. To contribute to the advancement of knowledge in the field of counselling psychology.
2. To practise from a strong evidence base.
3. To take a leadership role in community, professional, and university organizations in counselling psychology.

Graduates of the program will be prepared to assume careers in education and community settings, including faculty positions, counselling and psychological positions on the staff of university and college mental health centres, and professional positions in psychological agencies offering preventative mental health services. The program is currently accredited by the Canadian Psychological Association (CPA), the Quebec Order of Psychologists (OPQ) and American Psychological Association (APA) (please note that APA accreditation will cease for all Canadian institutions in 2015). Graduates are eligible for licensure in Quebec.

Graduate Degrees in School/Applied Psychology

section 18.11.1.8: Doctor of Philosophy (Ph.D.); School of Applied Child Psychology

The Ph.D. in School/Applied Child Psychology is the second degree in a combined M.A. and Ph.D. program with the M.A. (Thesis) in Educational Psychology’s School/Applied Child Psychology Stream. Most students in the Doctoral program completed their M.A. in the Educational Psychology program although students can apply for direct entry into the Ph.D. program with a Master’s degree obtained at another institution. At both the M.A. and Ph.D. levels, students take a combination of theoretical, practical, and research-based courses throughout the course of their degree. Students will produce a thesis at both levels of study.

Extending upon the M.A. degree, the program’s focus remains on the improvement of the educational and psychological well being of children and to educate school psychologists in a manner consistent with the highest international standards in the field. Students explore a variety of topics including mental health, child development, school organization, learning processes, behaviour, motivation, and effective teaching. They are prepared to become inquiring professionals committed to the development of children and youth and receive intensive training of clinical practice with children and families, as well as basic and applied research.

The program develops clinical skills through intensive assessment courses, a Clinic Practicum, Field Placement, and a full-year Internship. Typically, our graduates go on to practise school psychology across a range of environments including private practice, academia, hospitals, and school boards. The Ph.D. program is accredited by the American Psychological Association (APA) and the Ordre des psychologues du Québec (OPQ) (please note that APA accreditation will cease for all Canadian institutions in 2015). Graduates are eligible for licensure in Quebec.

section 18.11.1.9: Post-Ph.D. Graduate Diploma in School/Applied Child Psychology

This Post-Ph.D. Graduate Diploma enables holders of a doctorate in Psychology to pursue further studies in School/Applied Child Psychology. The course of study is adapted to the background of each student. The program includes exceptionally one, or typically two, years of courses and practica, plus a year of internship. Students register on a per-credit basis (including internship).

Students are not required to demonstrate knowledge of a second language within this program; however, any student wishing to be licensed as a professional psychologist in Quebec must have a working knowledge of French. Accreditation status may be confirmed by contacting the accrediting bodies.

Professional Accreditation

All elements of this Post-doctoral Graduate Diploma are selected from the professional components of the Ph.D. in School/Applied Child Psychology, which is accredited in the School Psychology category by the American Psychological Association (APA). Graduates of a respecialization program are normally accorded the same recognition as graduates of the accredited program.

The Ph.D. is approved by the Ordre des psychologues du Québec (OPQ), which has recommended the final stage of professional recognition to the Office des professions du Government of Quebec. Once this accreditation is confirmed, however, graduates of the Post-doctoral Graduate Diploma will not be automatically eligible for membership in the OPQ and the right to practise professional psychology in Quebec. Candidates wishing to practise in Quebec will be required to apply to the OPQ for the recognition of equivalent qualifications.

Graduate Degrees in Educational Psychology

section 18.11.1.10: Master of Education (M.Ed.); Educational Psychology (Non-Thesis) (48 credits)

The Master of Education (M.Ed.) degree offers educators and practising professionals advanced professional training in areas where educational psychology can make a practical contribution to the design, delivery, and assessment of educational programs and the impact of these programs on student learning. Courses aim to promote:

1. a greater understanding of human development, individual differences, and the learning process;
2. a greater understanding on classroom processes and strategies for teaching diverse learners in a variety of contexts;
3. the evaluation of student learning, teaching, programs, and educational experimentation and innovation; and
4. the application of results of educational research.
The program offers the following streams of study:

a. **Learning Sciences**: Focuses on the study of learning as it occurs in real-world situations and ways in which learning may be facilitated in designed environments.

b. **Family Life**: Admission to this stream is currently suspended.

c. **Inclusive Education**: Trains students who wish to work with diverse individuals in a variety of settings that emphasize inclusive practice. This program is most directly relevant to current teachers, consultants, and other professionals working in the education system.

d. **General Educational Psychology**: Permits students to create a course program that meets their individual needs, which may draw courses from Inclusive Education, Learning Sciences, Family Life, or any other general departmental course. This program suits students seeking a "general" educational psychology training.

The M.Ed. program has been developed for students who have background in education (B.Ed.), psychology or another related degree. Students have the option of conducting academic or applied research (via up to 12 credits of Special Activities) to enhance the applied experience of learning. The academic staff who teach and supervise within the program understand both research and applied contexts such as the school system. Courses are offered in the evening to accommodate full-time professionals and can be completed on either a full-time or part-time basis.

Many of our graduates work in the school system as resource teachers, special education, or educational consultants. Others work in or create special tutorial programs or family/child programs for students with difficulties, or in specialized settings (e.g., hospital programs), and others have moved on into our doctoral program in Human Development.

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**section 18.11.1.10: Master of Education (M.Ed.); Educational Psychology (Non-Thesis) (48 credits)**

The aim of the M.A. (Thesis) in Educational Psychology is to produce graduates who:

1. are broadly trained in educational psychology;
2. have sufficient research competence to critically evaluate research in educational psychology, and to design, conduct, and report empirical research; and
3. have experience in applying research methods and findings to the solution of practical problems in varied educational settings.

Candidates are required to select and follow the set of courses in one of four streams of study, select a topic for research, and present the results of such research in a thesis.

The program offers four streams:

1. **The Learning Sciences Stream** aims to develop competent and inquiring professionals who have the skills to understand and improve learning and teaching by way of conceptualizing and conducting applied and theoretical research in different formal and informal educational settings. It is dedicated to the preparation of qualified researchers, developers, and practitioners who can advance the scientific understanding and practice of teaching and learning in schools, colleges and universities, the workplace and professional practice, as well as virtual learning communities. Students acquire theoretical and practical knowledge through coursework, team-based research assistantships, and apprenticeships where appropriate.

   The profiles of our graduates speak to the flexibility and application of acquired skills and competencies in a range of professions. These include academic positions around the world, positions in school boards and hospital education programs, researchers involved in educational and institutional research and policy development, training and education specialists in business and industry, medical education researchers, and faculty developers.

2. **The Health Professions Education Stream** is dedicated to the preparation of qualified researchers, developers, and practitioners who can advance the scientific understanding and practice of teaching and learning as they happen in the health professions and throughout the lifespan. The program is for health professionals who are interested in conducting educational research and working on development projects (e.g., program, curriculum, faculty) as well as for educational psychology graduate students who are interested in issues related to medical education and education in other health professions.

   The program will produce a graduate who can recognize the role of education in a health professions context, who has sufficient research competence to conduct empirical research in health education settings, and who can apply research results to solve practical problems in this field. Student admission and supervision is done jointly with the Centre for Medical Education; see website: www.mcgill.ca/centreformeded.

3. **The Human Development Stream** is intended to prepare students from education and psychology backgrounds to work in school, institutional, and university settings. The degree prepares candidates to support the educational and psychological well-being of individuals, to use research to critically inform practice, and to be able to conceptualize and conduct applied and theoretical research related to different trajectories of human development and varied educational settings. The program follows a mentorship model that encourages students’ active participation in research and prepares them for academia and leadership roles in the field.

   The program is unique in exploring development including cognitive, language, social, personality, and gender development issues in children and adolescents from the diverse perspectives of our multi-disciplinary faculty. For example, students are exposed to clinical and non-clinical perspectives on developmental issues; these perspectives are then employed to better understand issues related to disabilities and individuals’ diverse needs in educational and community settings. Most students in this program go on to pursue studies at the Ph.D. level.

4. **The School/Applied Child Psychology Stream** is a combined M.A. and Ph.D. program with the doctoral degree in School/Applied Child Psychology. Most students who enrol in the Master’s program continue to pursue studies at the doctoral level, although students can apply for direct entry into the Ph.D. program with a master’s degree obtained at another institution.
**section 18.11.1.11: Master of Arts (M.A.); Educational Psychology (Thesis) (48 credits) (Note that the School/Applied Child Psychology Stream is 78 credits)**

The program’s focus is on the improvement of the educational and psychological well-being of children and educates school psychologists in a manner consistent with the highest international standards in the field. Students explore a variety of topics including mental health, child development, school organization, learning processes, behaviour, motivation, and effective teaching, and are prepared to become inquiring professionals committed to the development of children and youth. Therefore, students receive intensive training of clinical practice with children and families, as well as basic and applied research.

To do so, at both the M.A. and Ph.D. level, students take a combination of theoretical, practical, and research-based courses throughout the course of their degree. Students will produce a thesis at both levels of study. Our students go on to practice school psychology across a range of environments including private practice, academia, hospitals, and school boards.

**Master of Arts (M.A.); Educational Psychology (Non-Thesis) (48 credits)**

The M.A. (Non-Thesis) in Educational Psychology is available only to M.A. students admitted to the study sequence leading to the Ph.D. School/Applied Child Psychology, and who wish to transfer after the first semester. Please note that this program will not be offered in 2011-2012.

**section 18.11.1.12: Doctor of Philosophy (Ph.D.); Educational Psychology**

The aim of the Ph.D. in Educational Psychology emphasizes the development of research skills and supports both basic and applied research pertaining to all domains of educational psychology. It aims to develop graduates who can demonstrate:

1. broad scholarship in planning and implementing basic and applied research on problems of cognition, teaching, learning, and human development;
2. mastery of current theoretical issues in educational psychology and their historical development; and
3. a detailed knowledge of their selected stream.

The program offers two streams:

1. **Learning Sciences Stream**: The Learning Sciences Stream builds upon the M.A. program and continues its aim of developing competent and inquiring professionals who have the skills to understand and improve learning and teaching by way of conceptualizing and conducting applied and theoretical research in different formal and informal educational settings. It is dedicated to the preparation of qualified researchers, developers, and practitioners who can advance the scientific understanding and practice of teaching and learning. The settings could be schools, colleges, and universities, the workplace and professional practice, as well as virtual learning communities. Students acquire theoretical and practical knowledge through coursework, team-based research assistantships, and apprenticeships where appropriate.

2. **Human Development Stream**: The Human Development Stream builds upon the M.A. program and is intended to prepare students to work in school, institutional, and university settings. The degree prepares candidates to support the educational and psychological well-being of individuals, to use research to critically inform practice, and to be able to conceptualize and conduct applied and theoretical research related to different trajectories of human development and varied educational settings. The program follows a mentorship model that encourages students’ active participation in research and prepares them for academia and leadership roles in the field.

The Human Development program is unique in exploring development including cognitive, language, social, personality, and gender development issues in children and adolescents from the diverse perspectives of our multidisciplinary faculty. These perspectives are then employed to better understand issues related to disabilities and individuals’ diverse needs in educational and community settings.

**18.11.1.3 Educational and Counselling Psychology Admission Requirements and Application Procedures**

**18.11.1.3.1 M.A. Counselling Psychology (Non-Thesis)**

The M.A. in Counselling Psychology program offers the following two concentrations:

1. Professional/Internship (coursework and internship based)
2. Project (research based)

**Admission Requirements**

**Concentration: Professional/Internship**

To be eligible, applicants must hold either:

1. A baccalaureate degree in psychology, including statistics, theories of personality, history and systems of psychology, abnormal psychology, developmental psychology, and social psychology (18-credit core), with a minimum GPA of 3.2 out of 4.0 in the final two years of full-time study.
   OR

2. A baccalaureate degree in a field other than psychology, with a minimum GPA of 3.2 out of 4.0 in the final two years of full-time study, and sufficient academic preparation to meet the following requirements:
   - 18 credits in psychology (consisting of core courses as listed above) and up to 24 credits in related disciplines in the social sciences.
Concentration: Project
To be eligible, applicants must hold a baccalaureate degree in psychology consisting of 42 credits of core courses in specific domains (see list in the Pre-Admission Academic Checklist in our application package), with a minimum GPA of 3.2 out of 4.0 in their final two years of full-time study.

Application Procedures
Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Counselling Psychology: Project and Professional/Internship concentrations, can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/counselling/ma/#mapackage.

18.11.1.3.2 Ph.D. in Counselling Psychology

Admission Requirements
To be eligible applicants must hold:

A master’s degree equivalent to the section 18.11.1.6: Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Project (45 credits) along with 42 credits of core courses in specific domains (see list in the Pre-Admission Academic Checklist in our application package).

Application Procedures
Information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in Counselling Psychology can be found online in the following section of the departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/counselling/phd/#package.

18.11.1.3.3 Ph.D. School/Applied Child Psychology

Admission Requirements
To be eligible applicants must hold:

A master’s degree equivalent to the “M.A. Educational Psychology: School/Applied Child Psychology Stream” consisting of 42-credits of core courses in specific domains (see list in the Pre-Admission Academic Checklist in our application package), with a minimum CGPA of 3.0 out of 4.0.

All doctoral students must have a research supervisor upon entry to the program. Interested candidates should consult the Department website for a list of faculty members and their research interests. A supervisor must be selected from among professors in the Department.

Application Procedures
Information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in School/Applied Child Psychology, can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/schoolapplied/phd/.

18.11.1.3.4 Post-Ph.D. Graduate Diploma in School/Applied Child Psychology

Admission Requirements
An earned doctorate in Educational Psychology, another area of Psychology, or a closely related discipline (to be recognized by the Program Committee).

Application Procedures
Information on application procedures, deadlines, supporting documents, and contact information for the Post-Ph.D. Graduate Diploma in School/Applied Child Psychology can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/schoolapplied/phd/#postphd.

18.11.1.3.5 M.Ed. Educational Psychology (Non-Thesis)

This program offers four streams:
1. Learning Sciences
2. General Educational Psychology
3. Inclusive Education
4. Family Life Education (admission to the Family Life Stream is currently suspended)

Admission Requirements

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

Application Procedures
Information on application procedures, deadlines, supporting documents, and contact information for the M.Ed. Streams in Educational Psychology can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/mededpsych/med/#medpackage.

18.11.1.3.6 M.A. Educational Psychology (Thesis)

This program offers four streams:
1. Learning Sciences
2. Health Professions Education
3. Human Development
4. School/Applied Child Psychology
Admission Requirements for the Learning Sciences Stream

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

Application Procedures

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: Learning Sciences Stream can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/learningsciences/ma/#mapackage.

Admission Requirements for the Health Professions Stream

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology. It is recommended that some prior study of a relevant branch of psychology form part of the undergraduate training.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

The Health Professions program has been conceived and is offered in collaboration with the McGill Centre for Medical Education and affiliated faculty. Student selection is done jointly as is graduate supervision.

Application Procedures

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: Health Professions Education Stream can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/healthprofessions/ma/#mapackage.

Admission Requirements for the Human Development Stream

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology.
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

Application Procedures

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: Human Development Stream can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/humandevelopment/ma/#mapackage.

Admission Requirements for the School/Applied Child Psychology Stream

1. An undergraduate degree in education, psychology, or another field relevant to the proposed studies in Educational Psychology, consisting of 42 credits of core courses in specific domains (see list in the Pre-Admission Academic Checklist in our application package).
2. Minimum CGPA of 3.0 out of 4.0 or higher in undergraduate studies.

Application Procedures

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Educational Psychology: School/Applied Child Psychology Stream can be found online in the following section of the Departmental website: www.mcgill.ca/edu-ecp/prospective/graduate/schoolapplied/ma/#mapackage.

18.11.1.3.7 M.A. Educational Psychology (Non-Thesis)

Note: This program is will not be offered in 2011-2012.

Admission Requirements

Same as M.A. (Thesis) Educational Psychology Stream in School/Applied Child Psychology.

For further information about the application process, please consult our departmental website: www.mcgill.ca/edu-ecp.

18.11.1.3.8 Ph.D. in Educational Psychology

Admission Requirements

All doctoral students must have a research supervisor upon entry to the program. Interested candidates should consult the Department website for a faculty list: www.mcgill.ca/edu-ecp. All applicants must have a minimum CGPA of 3.0 out of 4.0 or higher. Please note: it is essential to clearly identify your desired stream of study on your application. The two streams offered are:

1. Human Development
2. Learning Sciences

There are two entry levels and patterns:

- starting at Ph.D. 2
- starting at Ph.D. 1
The specific requirements to be admitted at each level are as follows:

**Ph.D. 2 Level**

Applicants should hold an M.A. in Educational Psychology from McGill or a recognized equivalent degree from a program which requires a thesis, reflecting high overall standing, study within the area of proposed doctoral specialization, and evidence of research competence.

**Ph.D. 1 Level**

1. Applicants should hold an M.Ed. in Educational Psychology or a master's degree in a related discipline (e.g., sociology, social work) lacking only the content in educational psychology that can be acquired within one year of full-time study. The applicant's academic record must reflect high overall standing and evidence of research competence.

   OR

2. Applicants should hold a bachelor’s degree in psychology, reflecting high academic standing in an honours or major program, and have completed an undergraduate thesis or the equivalent. (This option is rarely exercised.)

**Application Procedures**

Information on application procedures, deadlines, supporting documents, and contact information for the **Ph.D. in Educational Psychology: Human Development Stream** can be found online in the following section of the Departmental website:


Information on application procedures, deadlines, supporting documents, and contact information for the **Ph.D. in Educational Psychology: Learning Sciences Stream** can be found online in the following section of the Departmental website:


### 18.11.1.4 Educational and Counselling Psychology Faculty

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<td>Alenoush Saroyan</td>
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<th>Program Directors</th>
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<tr>
<td>Marilyn Fitzpatrick - <em>Counselling Psychology</em></td>
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<td>Robert Savage - <em>Human Development</em></td>
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<td>Robert Savage - <em>M.Ed. Streams in Educational Psychology</em></td>
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<td>Susanne Lajoie - <em>Learning Sciences</em></td>
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<td>Susanne Lajoie - <em>Health Professions Education</em></td>
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<td>Ingrid Sladeczek - <em>School/Applied Child Psychology</em></td>
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<th>Emeritus Professors</th>
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<tbody>
<tr>
<td>Mark W. Aulls; B.S.(Ball St.), M.Ed.(Ind.), Ed.D.(Georgia)</td>
</tr>
<tr>
<td>Janet G. Donald; B.A., M.A.(W. Ont.), Ph.D.(Tor.) (<em>joint appt. with Teaching and Learning Services</em>)</td>
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<tr>
<td>Carl H. Frederiksen; B.A.(Harv.), M.A., Ph.D.(Ill.)</td>
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<tr>
<td>Lynn Mc Alpine; B.A.(McG.), M.A.(C'dia), Ph.D.(Tor.)</td>
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<tr>
<td>Eigil Pedersen; B.A.(Sir G. Wms.), M.A.(McG.), Ed.D.(Harv.)</td>
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<td>Bruce M. Shore; B.Sc., M.A.(McG.), Ph.D.(Calg.)</td>
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<td>Howard A. Stutt; B.A.(Qu.), B.Ed., M.Ed.(Montr.), F.C.C.T.</td>
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<th>Professors</th>
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<td>Roger Azevedo; B.A., M.A.(C'dia), Ph.D.(McG.)</td>
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<td>Robert J. Bracewell; B.Sc., M.A.(McM.), Ph.D.(Tor.)</td>
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<tr>
<td>Jacob A. Burack; B.A.(Col.), M.S., M.Phil., Ph.D.(Yale)</td>
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<tr>
<td>Jeffrey L. Derevensky; B.A.(C.W. Post), M.A., Ph.D.(McG.)</td>
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<tr>
<td>Nancy L. Heath; B.A.(McG.), M.Ed.(Ott.), Ph.D.(Tor.) (<em>James McGill Professor</em>)</td>
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<tr>
<td>Susanne P. Lajoie; B.A., M.A.(McG.), Ph.D.(Stan.) (<em>James McGill Professor</em>)</td>
</tr>
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</table>
**Professors**

Alenouch Saroyan; B.A.(Pahlavi), M.Ed.(Loy. U. Chic.), Ph.D.(McG.)

Cynthia B. Weston; B.A.(G’town), M.L.S.(SUNY), D.Ed.(Wash.) (Director, Teaching and Learning Services)

**Associate Professors**

Alain Breuleux; B.Sc., M.Sc., Ph.D.(Montr.)

Martin Drapeau; B.A.(Montr.), B.A.Ps.(UQTR), M.P.(Laval), Ph.D.(Montr.)

Marilyn Fitzpatrick; B.A.(Tor.), M.Ed., Ph.D.(McG.)

Michael L. Hoover; B.S.(Tulane), M.A., M.Phil., Ph.D.(Col.)

Evelyn Lusthaus; B.S., M.S., Ph.D.(SUNY, Buffalo) (on leave)

Robert Savage; B.A.(Oxf.), M.Sc.(Camb.), M.Sc., Ph.D.(Lond.) (William Dawson Scholar)

Ada L. Sinacore; B.A.(Montclair St.), M.A., M.Ed., Ph.D.(Col.)

Ingrid E. Sladeczek; B.A., M.S., Ph.D.(Ariz.), A.A.(Md.)

Lisa Spanierman; B.Sc.(Flor.), M.A., Ed.M.(Col.), Ph.D.(Missouri)

Ronald Stringer; B.Sc., M.A., Ph.D.(Tor.)

Victoria Talwar; M.A.(St. And.), M.A., Ph.D.(Qu.)

**Assistant Professors**

Armando Bertone; B.A., M.A.(C’dia), M.Ps., Ph.D.(Montr.)

Tara Flanagan; B.A.(Winn.), M.A., Ph.D.(McG.)

Nathan Hall; B.A., M.A., Ph.D.(Manit.)

Annett Körner; M.A., Ph.D.(Leipzig)

Krista Muis; B.A.(Wat.), M.A.(Vic., BC), Ph.D.(S. Fraser)

Jessica Ruglis; B.S.(Albany), M.A.T.(Union Coll.), M.P.H.(Hunter), Ph.D.(CUNY)

Steven R. Shaw; B.A., M.Ed., Ed.S., Ph.D.(Flor.)

Nathan Smith; M.Sc., Ph.D.(VCU)

**Faculty Lecturer**

Jack de Stefano; B.A.(Loyola), M.Ed., Ed.D.(McG.)

**Associate Members**

Reut Gruber; B.A., M.A., Ph.D.(Tel Aviv)

Daniel Levitin; B.A.(Stan.), M.Sc., Ph.D.(Ore.)


Laura Winer; B.A., M.A., Ph.D.(S’dia) (Teaching and Learning Services)

**Associate Professor (Non-Tenure Track)**

Renée Stevens; B.A.(Calif.-LA), M.A., Ph.D.(McG.) (part-time)

**Adjunct Professors**


**Research Associates**

Rina Gupta

Jazvinder Magon
Research Associates

Diana Tabatabai

Part-time Instructors


18.11.1.5 Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Professional/Internship (60 credits)

Required Internship (24 credits)

EDPC 679D1 (3) Internship: General 1
EDPC 679D2 (3) Internship: General 1
EDPC 680D1 (3) Internship Research Seminar
EDPC 680D2 (3) Internship Research Seminar
EDPC 682D1 (3) Practicum: Psychological Testing
EDPC 682D2 (3) Practicum: Psychological Testing
EDPC 685D1 (3) Internship: Vocational and Rehabilitation Counselling
EDPC 685D2 (3) Internship: Vocational and Rehabilitation Counselling

Required Courses (33 credits)

EDPC 606 (3) Theories of Intervention 1
EDPC 607 (3) Theories of Counselling 2
EDPC 608 (3) Group Counselling: Theory
EDPC 609 (3) Psychological Testing 1
EDPC 615 (3) Assessment and Diagnosis 1
EDPC 618 (3) Professional Ethics and the Law
EDPC 624 (3) Group Counselling: Practice
EDPC 662 (3) Career Psychology
EDPC 665D1 (3) Practicum
EDPC 665D2 (3) Practicum
EDPE 622 (3) Multiculturalism and Gender

Elective Courses (3 credits)

The following courses may be offered periodically and taken to complete or exceed the academic requirements. Electives may also be chosen from other courses offered by the Department or other departments of the University. Choice of electives not listed below requires the approval of the Program Director.

EDPC 616 (3) Individual Reading Course
EDPC 630 (3) Feminism, Women and Psychology
EDPC 635 (3) Counselling for Sexual Adjustment
EDPC 636 (3) Theories of Sex Therapy
EDPC 660 (3) Selected Topics in Counselling
EDPC 670 (3) Current Trends in Counselling
18.11.1.6 Master of Arts (M.A.); Counselling Psychology (Non-Thesis) — Project (45 credits)

Required Courses (42 credits)

EDPC 606 (3) Theories of Intervention 1
EDPC 609 (3) Psychological Testing 1
EDPC 615 (3) Assessment and Diagnosis 1
EDPC 619 (3) Research Project 1
EDPC 620 (3) Research Project 2
EDPC 621 (3) Research Project 3
EDPC 625 (3) Clinic Practicum 1
EDPC 626 (3) Clinic Practicum 2
EDPC 662 (3) Career Psychology
EDPC 682D1 (3) Practicum: Psychological Testing
EDPC 682D2 (3) Practicum: Psychological Testing
EDPE 622 (3) Multiculturalism and Gender
EDPC 627 (3) Professional Practice of Psychology
EDPE 676 (3) Intermediate Statistics

Complementary Courses (3 credits)

3 credits from the following:

EDPE 682 (3) Univariate/Multivariate Analysis
EDPE 687 (3) Qualitative Methods in Educational Psychology

18.11.1.7 Doctor of Philosophy (Ph.D.); Counselling Psychology

Thesis

Required Courses (30 credits)

EDPC 701 (0) Comprehensive Examination
EDPC 702 (3) Assessment & Diagnosis 2
EDPC 714 (3) Theory / Models: Family Therapy
EDPC 720 (3) Consultation and Program Evaluation
EDPC 780 (6) Supervision
EDPC 782 (6) Doctoral Field Experience
EDPC 786 (6) Proposal Preparation and Defense
EDPE 712 (3) Neurological Bases of Behaviour

Required Internship (24 credits)

EDPC 795 (24) Pre-doctoral Internship

Complementary Courses (6 credits)

6 credits from the following:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPE 682</td>
<td>3</td>
<td>Univariate/Multivariate Analysis</td>
</tr>
<tr>
<td>EDPE 684</td>
<td>3</td>
<td>Applied Multivariate Statistics</td>
</tr>
<tr>
<td>EDPE 687</td>
<td>3</td>
<td>Qualitative Methods in Educational Psychology</td>
</tr>
</tbody>
</table>

**Elective Courses (6 credits)**

Two courses that must be at the 500, 600, or 700 level. Electives are on topics related to specialized interests and must be approved by the supervisor.

**18.11.1.8 Doctor of Philosophy (Ph.D.); School of Applied Child Psychology**

**Thesis**

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
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<td>Theory / Models: Family Therapy</td>
</tr>
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<td>EDPE 625</td>
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<td>Practicum 1: School Psychology</td>
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<tr>
<td>EDPE 626</td>
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<td>EDPE 708</td>
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<td>Comprehensive Examination</td>
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<tr>
<td>EDPE 710</td>
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<td>Consultation in School Psychology</td>
</tr>
<tr>
<td>EDPE 712</td>
<td>3</td>
<td>Neurological Bases of Behaviour</td>
</tr>
<tr>
<td>EDPH 689</td>
<td>3</td>
<td>Teaching and Learning in Higher Education</td>
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</tbody>
</table>

**Complementary Courses (12 credits)**

Students must select two of these three practicum settings:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPE 721</td>
<td>6</td>
<td>School Psychology: Elementary</td>
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<tr>
<td>EDPE 722</td>
<td>6</td>
<td>School Psychology: Secondary</td>
</tr>
<tr>
<td>EDPE 723</td>
<td>6</td>
<td>School Psychology: Community</td>
</tr>
</tbody>
</table>

**Internship (24 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EDPE 725</td>
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<td>Internship 1 - School Psychology</td>
</tr>
<tr>
<td>EDPE 726</td>
<td>12</td>
<td>Internship 2 - School Psychology</td>
</tr>
</tbody>
</table>

**18.11.1.9 Post-Ph.D. Graduate Diploma in School/Applied Child Psychology**

**Required Courses and Clinic-based Practica (30 credits)**

The program will be individually tailored to each accepted student in respect of previous studies and experience. Students will not be asked to repeat a course on a topic in which they can demonstrate a high level of competence. The following are expected to be most often required of students.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPC 609</td>
<td>3</td>
<td>Psychological Testing 1</td>
</tr>
<tr>
<td>EDPC 610</td>
<td>3</td>
<td>Psychological Testing 2</td>
</tr>
<tr>
<td>EDPC 618</td>
<td>3</td>
<td>Professional Ethics and the Law</td>
</tr>
<tr>
<td>EDPC 682D1</td>
<td>3</td>
<td>Practicum: Psychological Testing</td>
</tr>
<tr>
<td>EDPC 682D2</td>
<td>3</td>
<td>Practicum: Psychological Testing</td>
</tr>
<tr>
<td>EDPC 714</td>
<td>3</td>
<td>Theory / Models: Family Therapy</td>
</tr>
<tr>
<td>EDPE 619</td>
<td>3</td>
<td>Child and Adolescent Therapy</td>
</tr>
<tr>
<td>EDPE 625</td>
<td>3</td>
<td>Practicum 1: School Psychology</td>
</tr>
<tr>
<td>EDPE 626</td>
<td>3</td>
<td>Practicum 2: School Psychology</td>
</tr>
<tr>
<td>EDPE 710</td>
<td>3</td>
<td>Consultation in School Psychology</td>
</tr>
</tbody>
</table>
Complementary Courses - Field Placements

Two days per week, one semester each; students select two of these three field experiences; placement in a school covering all grades may be applied to either EDPE 721 or EDPE 722:

- EDPE 721 (6) School Psychology: Elementary
- EDPE 722 (6) School Psychology: Secondary
- EDPE 723 (6) School Psychology: Community

Internship

One year full time or two years half-time

- EDPE 725 (12) Internship 1 - School Psychology
- EDPE 726 (12) Internship 2 - School Psychology

Students are not required to demonstrate knowledge of a second language within this program; however, any student wishing to be licensed as a professional psychologist in Quebec must have a working knowledge of French. Accreditation status may be confirmed by contacting the accrediting bodies.

Professional Accreditation

All elements of this Post-doctoral Graduate Diploma are selected from the professional components of the Ph.D. in School/Applied Child Psychology, which is accredited in the School Psychology category by the American Psychological Association (APA). Graduates of a respecialization program are normally accorded the same recognition as graduates of the accredited program.

The Ph.D. is approved by the Ordre des psychologues du Québec (OPQ), which has recommended the final stage of professional recognition to the Office des professions of the Government of Quebec. Once this accreditation is confirmed, however, graduates of the Post-doctoral Graduate Diploma will not be automatically eligible for membership in the OPQ and the right to practise professional psychology in Quebec. Candidates wishing to practise in Quebec will be required to apply to the OPQ for the recognition of equivalent qualifications.

18.11.10 Master of Education (M.Ed.); Educational Psychology (Non-Thesis) (48 credits)

Required Courses (9 credits)

- EDPE 575 (3) Educational Measurement
- EDPE 602 (3) Uses of Research Findings in Education
- EDPE 635 (3) Theories of Learning and Instruction

Complementary Courses (27 credits)

Students select 27 credits from one of the following streams: Learning Sciences Stream, Family Life Stream, Inclusive Education Stream, General Educational Psychology Stream.

Note: Admission to the Family Life Stream is currently suspended.

Learning Sciences Stream

- EDPE 535 (3) Instructional Design
- EDPE 550 (3) Consciousness and Virtual Reality
- EDPE 555 (3) Applied Cognitive Science
- EDPE 561 (3) Artificial Intelligence in Education
- EDPE 605 (3) Research Methods
- EDPE 635 (3) Theories of Learning and Instruction
- EDPE 636 (3) Classroom Processes - Social
- EDPE 640 (3) Research in Computer Applications
- EDPE 641 (6) Use of Computer in Educational Instruction
- EDPE 648 (3) Instructional Psychology Seminar
EDPE 655 (3) Learning Science Research Seminar
EDPE 661 (3) Discourse Processes
EDPE 663 (3) Learning Environments and Processes
EDPE 664 (3) Expertise, Reasoning and Problem Solving
EDPE 666 (3) Foundations of Learning Science
EDPE 697 (6) Special Activity 1
EDPE 698 (6) Special Activity 2

**Family Life Stream**

Note: Admission to this stream is currently suspended

EDPC 501 (3) Helping Relationships
EDPC 502 (3) Group Processes and Individuals
EDPC 503 (3) Human Sexuality: Professionals
EDPC 504 (3) Practicum: Interviewing Skills
EDPC 505 (3) Crisis Intervention Processes
EDPC 507 (3) Practicum: Group Leadership Skills
EDPC 508 (3) Seminar in Special Topics
EDPC 509 (3) Individual Reading Course
EDPC 510 (3) Family Life Education and Marriage
EDPC 540 (3) Foundation of Family Life Education
EDPE 560 (3) Human Development
EDPE 564 (3) Family Communication
EDPE 595 (3) Seminar in Special Topics
EDPE 605 (3) Research Methods
EDPE 697 (6) Special Activity 1
EDPE 698 (6) Special Activity 2

**Inclusive Education Stream**

EDPE 595 (3) Seminar in Special Topics
EDPE 605 (3) Research Methods
EDPE 697 (6) Special Activity 1
EDPE 698 (6) Special Activity 2
EDPI 526 (3) Talented and Gifted Students
EDPI 527 (3) Creativity and its Cultivation
EDPI 536 (3) Practicum Gifted Education 1
EDPI 537 (3) Practicum Gifted Education 2
EDPI 539 (3) Field Work 1: Exceptional Students
EDPI 540 (3) Field Work 2: Exceptional Students
EDPI 628 (3) Gifted Students: Special Needs
EDPI 642 (3) Education of Learners/Special Needs 1
EDPI 643 (3) Education of Learners/Special Needs 2
EDPI 645 (3) Diagnosis and Assessment in Special Education
EDPI 654 (3) Instruction/Curriculum Adaptation
EDPI 665 (3) Research and Theory in Learning Disabilities

**General Educational Psychology Stream**

Courses to be taken from the list of courses in other streams or any 500-, 600-, or 700-level courses offered by the Department with the approval of the Program Director, from other departments.

**Elective Courses (12 credits)**

500-, 600-, or 700-level courses to be taken from courses offered by the Department or with approval or the Program Director, from other departments.

**18.11.11 Master of Arts (M.A.); Educational Psychology (Thesis) (48 credits)**

**Thesis Courses (24 credits)**

- EDPE 604 (3) Thesis 1
- EDPE 607 (3) Thesis 2
- EDPE 693 (3) Thesis 3
- EDPE 694 (3) Thesis 4
- EDPE 695 (6) Thesis 5
- EDPE 696 (6) Thesis 6

**Prerequisite Course (or equivalent) - All Streams (3 credits)**

- EDPE 575 (3) Educational Measurement

**Required Courses (9 credits)**

- EDPE 605 (3) Research Methods
- EDPE 676 (3) Intermediate Statistics
- EDPE 682 (3) Univariate/Multivariate Analysis

**Complementary Courses (15 credits)**

To be taken from one of the three following streams. Students completing the School/Applied Child Psychology Stream should refer to the course list at the end:

**Learning Sciences Stream (15 credits)**

6 credits from the following:

- EDPE 655 (3) Learning Science Research Seminar
- EDPE 666 (3) Foundations of Learning Science

and 9 credits selected from the following:

- EDPE 637 (3) Issues in Health Professions Education
- EDPE 648 (3) Instructional Psychology Seminar
- EDPE 656 (3) Applied Cognitive Theory/Methods
- EDPE 661 (3) Discourse Processes
- EDPE 663 (3) Learning Environments and Processes
- EDPE 664 (3) Expertise, Reasoning and Problem Solving
- EDPE 668 (3) Advanced Seminar in Learning Sciences
EDPE 687 (3) Qualitative Methods in Educational Psychology

**Health Professions Stream (15 credits)**

6 credits from the following:

Note: Students may select to take either EDPE 639 or EDPH 689, but not both.

- EDPE 637 (3) Issues in Health Professions Education
- EDPE 639* (3) Practicum in Health Professions Education
- EDPH 689* (3) Teaching and Learning in Higher Education

and 9 credits selected from the following:

- EDPE 535 (3) Instructional Design
- EDPE 555 (3) Applied Cognitive Science
- EDPE 635 (3) Theories of Learning and Instruction
- EDPE 648 (3) Instructional Psychology Seminar
- EDPE 656 (3) Applied Cognitive Theory/Methods
- EDPE 661 (3) Discourse Processes
- EDPE 663 (3) Learning Environments and Processes
- EDPE 664 (3) Expertise, Reasoning and Problem Solving
- EDPE 666 (3) Foundations of Learning Science
- EDPE 668 (3) Advanced Seminar in Learning Sciences
- EDPE 687 (3) Qualitative Methods in Educational Psychology

or other 500-, 600- or 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

**Human Development Stream (15 credits)**

9 credits from the following:

- EDPE 502 (3) Theories of Development and Disabilities
- EDPE 672 (3) Human Development Seminar 1
- EDPE 673 (3) Human Development Seminar 2

and 6 credits selected from the following:

- EDPE 515 (3) Gender Identity Development
- EDPE 616 (3) Cognitive Development
- EDPE 620 (3) Developmental Psychopathology
- EDPE 623 (3) Social-Emotional Development
- EDPI 642 (3) Education of Learners/Special Needs 1
- EDPI 643 (3) Education of Learners/Special Needs 2

or other 500-, 600- or 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

**School/Applied Child Psychology Stream (45 credits)**
Students completing the School/Applied Child Psychology Stream complete 45 credits of specified courses in addition to the 33 credits of core required courses.

Note: There are no complementary courses for this stream

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDPC 609</td>
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<td>Psychological Testing 1</td>
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<tr>
<td>EDPC 610</td>
<td>3</td>
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<tr>
<td>EDPC 682D1</td>
<td>3</td>
<td>Practicum: Psychological Testing</td>
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<td>EDPC 682D2</td>
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<td>EDPE 600</td>
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<td>EDPE 609</td>
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<td>Selected Topics in Educational Psychology</td>
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<td>EDPE 611</td>
<td>3</td>
<td>School Psychology Seminar</td>
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<tr>
<td>EDPE 616</td>
<td>3</td>
<td>Cognitive Development</td>
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<td>EDPE 619</td>
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<td>Child and Adolescent Therapy</td>
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<tr>
<td>EDPE 620</td>
<td>3</td>
<td>Developmental Psychopathology</td>
</tr>
<tr>
<td>EDPE 622</td>
<td>3</td>
<td>Multiculturalism and Gender</td>
</tr>
<tr>
<td>EDPE 623</td>
<td>3</td>
<td>Social-Emotional Development</td>
</tr>
<tr>
<td>EDPE 627</td>
<td>3</td>
<td>Professional Practice of Psychology</td>
</tr>
<tr>
<td>EDPE 684*</td>
<td>3</td>
<td>Applied Multivariate Statistics</td>
</tr>
<tr>
<td>EDPE 687*</td>
<td>3</td>
<td>Qualitative Methods in Educational Psychology</td>
</tr>
<tr>
<td>EDPI 654</td>
<td>3</td>
<td>Instruction/Curriculum Adaptation</td>
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</table>

* Students have the choice to complete one of either EDPE 684 or EDPE 687.

### 18.11.12 Doctor of Philosophy (Ph.D.); Educational Psychology

#### Required Courses (12 credits)

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>EDPE 605</td>
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<td>Research Methods</td>
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<td>EDPE 676</td>
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<td>Intermediate Statistics</td>
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<tr>
<td>EDPE 682</td>
<td>3</td>
<td>Univariate/Multivariate Analysis</td>
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<tr>
<td>EDPE 708</td>
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<td>Comprehensive Examination</td>
</tr>
<tr>
<td>EDPH 689</td>
<td>3</td>
<td>Teaching and Learning in Higher Education</td>
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</table>

#### Complementary Courses (30 credits)

3 credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPE 684</td>
<td>3</td>
<td>Applied Multivariate Statistics</td>
</tr>
<tr>
<td>EDPE 687</td>
<td>3</td>
<td>Qualitative Methods in Educational Psychology</td>
</tr>
</tbody>
</table>

27 credits to be taken from one of the two streams:

#### Learning Sciences Stream (27 credits)

18 credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EDPE 655</td>
<td>3</td>
<td>Learning Science Research Seminar</td>
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<tr>
<td>EDPE 666</td>
<td>3</td>
<td>Foundations of Learning Science</td>
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<td>EDPE 704</td>
<td>3</td>
<td>Advanced Research Seminar 1</td>
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<tr>
<td>EDPE 705</td>
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and 9 credits from:

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<tbody>
<tr>
<td>EDPE 637</td>
<td>3</td>
<td>Issues in Health Professions Education</td>
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<td>EDPE 648</td>
<td>3</td>
<td>Instructional Psychology Seminar</td>
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<td>EDPE 656</td>
<td>3</td>
<td>Applied Cognitive Theory/Methods</td>
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<td>EDPE 661</td>
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<td>Discourse Processes</td>
</tr>
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<td>EDPE 663</td>
<td>3</td>
<td>Learning Environments and Processes</td>
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<td>EDPE 664</td>
<td>3</td>
<td>Expertise, Reasoning and Problem Solving</td>
</tr>
<tr>
<td>EDPE 668</td>
<td>3</td>
<td>Advanced Seminar in Learning Sciences</td>
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</table>

**Human Development Stream (27 credits)**

15 credits from:

<table>
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<tr>
<td>EDPE 502</td>
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<td>EDPE 673</td>
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<td>EDPE 683</td>
<td>3</td>
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<tr>
<td>EDPE 686</td>
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12 credits from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EDPE 515</td>
<td>3</td>
<td>Gender Identity Development</td>
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<td>EDPE 616</td>
<td>3</td>
<td>Cognitive Development</td>
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<td>EDPE 620</td>
<td>3</td>
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<td>EDPI 756</td>
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<td>Internship/Special Needs Education</td>
</tr>
</tbody>
</table>

Or from the list of 500-, 600-, and 700-level courses offered by the Department and with the approval of the supervisor and program committee.

**18.11.2 Information Studies**

**18.11.2.1 Location**

School of Information Studies  
3661 Peel Street  
Montreal, QC H3A 1X1  
Canada

Telephone: 514-398-4204  
Fax: 514-398-7193  
Email: sis@mcgill.ca  
Website: www.mcgill.ca/sis
18.11.2.2 About Information Studies

The School of Information Studies (SIS) at McGill University is a dynamic teaching and research unit engaged in the education of information professionals, individuals who can make a difference to the management and design of information resources, services, and systems to ensure adequate access to information and knowledge for all. As the pioneer school in Canada, SIS has been offering programs at McGill since 1897, and our Master of Library and Information Studies degree has been continuously accredited by the American Library Association since 1929. The School offers the Master of Library and Information Studies (M.L.I.S.), post-M.L.I.S. certificate and diploma programs, and a Ph.D. program in Information Studies. Our programs are articulated around three specializations: Archival Studies, Knowledge Management, and Librarianship.

Information Studies is the name assigned to a wide-ranging discipline, and SIS professors are engaged in four major research areas – information-seeking behaviour, human-computer interaction, information resources in context, and knowledge management and representation. Located within the Faculty of Education, SIS offers our students the advantages of a small, autonomous unit, yet with all the facilities and administrative support of a large and vibrant university faculty, located in the heart of bilingual and multicultural Montreal.

For complete information on the School of Information Studies, please see our website at www.mcgill.ca/sis.

For complete information about the M.L.I.S., including goals and objectives of the program, registration, categories of students, transfer credits, and courses taken at other Quebec universities, please see the M.L.I.S. section of the website at www.mcgill.ca/sis/programs/mlis.

### section 18.11.2.5: Master of Library and Information Studies (M.L.I.S.); Information Studies (Non-Thesis) (48 credits)

The Master of Library and Information Studies consists of a 48-credit non-thesis program, accredited by the American Library Association. This program is designed to prepare graduates for the broad field of information studies and has three areas of specialization: Archival Studies, Knowledge Management, and Librarianship. The program provides the intellectual foundation for careers in these three areas, fosters competencies in managing information and knowledge resources, advocates the ideal of equal access to information, promotes the appropriate use of technology in meeting information needs, encourages research in the field of library and information studies, and cultivates commitment to professional service for individuals, organizations, and society.

### section 18.11.2.6: Doctor of Philosophy (Ph.D.); Information Studies

The Ph.D. in Information Studies provides an opportunity for exceptional candidates to study interdisciplinary research topics at the doctoral level. The program offers a thorough grounding in both current theory and methods of research to ensure that students develop knowledge and critical awareness of relevant theories, principles and methods in Information Studies and acquire the expertise to conduct and promote scholarly research in the context of Information Studies. The program begins with a set of common courses and proceeds to specialization through dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members. Students develop scholarly and innovative expertise in one of four research areas within information studies: information-seeking behaviour, human-computer interaction, information resources in context, and knowledge management and representation. The program prepares graduates for a wide range of settings in research, teaching, and senior administrative positions, in Quebec, Canada, and internationally, contributes to the development of knowledge and to teaching/learning in Information Studies, and builds national and international visibility of Information Studies from a research perspective.

### section 18.11.2.7: Graduate Certificate in Library and Information Studies (15 credits)

The Graduate Certificate 15-credit program is designed to assist library and information professionals currently holding an ALA-accredited (or equivalent) master's degree to update their qualifications for advanced responsibility. The program may be completed in one or two academic terms, or on a part-time basis to a maximum of five years.

### section 18.11.2.8: Graduate Diploma in Library and Information Studies (30 credits)

The Graduate Diploma 30-credit program provides professional librarians and information specialists currently holding an ALA-accredited (or equivalent) master's degree with formal opportunities to update, specialize, and redirect their careers for advanced responsibility. For those considering admission into the doctoral program, it will provide an opportunity to further develop their research interests. The program may be completed in one calendar year, or on a part-time basis to a maximum of five years.

18.11.2.3 Information Studies Admission Requirements and Application Procedures

18.11.23.1 Admission Requirements

**Master of Library and Information Studies (M.L.I.S.)**

1. Applicants must have a bachelor's degree from a recognized university. Academic standing of at least B, or second class, upper division, or a CGPA of 3.0 out of 4.0 is required. Courses in library and/or information studies taken before or as part of an undergraduate degree, or such courses taken in a school with a program not accredited by the American Library Association, cannot be accepted as credit toward the McGill M.L.I.S.

2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.
3. Competency in the use of computers is expected. Applicants should have a thorough knowledge of the Windows operating system, particularly file management and word processing, and presentation software such as PowerPoint.

4. Previous library work experience, while not essential, will be given consideration in assessing an application, but this experience cannot replace academic criteria.

**Ph.D. in Information Studies**

1. Applicants should normally have a master's degree in Library and Information Studies (or equivalent). Master's degrees in other fields will be considered in relation to the proposed research.

   An applicant with a master's degree in Library and Information Studies (or equivalent) will normally be admitted into Ph.D. 2.

   An applicant with a master's degree in another field may be considered for admission as a Ph.D. 2 but will need to register for courses to upgrade background knowledge in library and information studies.

   An applicant who holds only a bachelor’s degree from McGill University or an approved institution in Information Studies (or equivalent) in exceptional circumstances may be admitted to Ph.D. 1.

   A CGPA of at least 3.0 out of 4.0 at both the undergraduate and graduate level is required.

2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.

**Graduate Certificate in Library and Information Studies**

1. Applicants should have a master's degree in Library and Information Studies from a program accredited by the American Library Association (or equivalent). Candidates will normally have at least three years' professional experience following completion of the M.L.I.S.

2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.

**Graduate Diploma in Library and Information Studies**

1. Applicants should have a master's degree in Library and Information Studies from a program accredited by the American Library Association (or equivalent). Admission of students with overseas degrees will be guided by the M.L.I.S. equivalency standards of the A.L.A. Applicants will normally have at least three years' professional experience following completion of the M.L.I.S.

2. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 600 (paper-based test), 100 (iBT Internet-based TOEFL) with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores.

**18.11.232 Application Procedures**

Applicants to all programs must submit, or arrange for the submission of, the following documents, directly to the School. Additional requirements for each program are listed below.


2. Two sets of official transcripts of the applicant's university record showing degree(s) awarded; an official translation in either English or French is required for transcripts in another language;

3. Two academic letters of recommendation, on letterhead, or, if degree was awarded more than five years ago, two employer letters of recommendation;

4. A covering letter outlining the reasons for wishing to undertake the program of study;

5. A curriculum vitae;

6. A non-refundable application fee of CAD $100, payable by credit card only.

**Master of Library and Information Studies (M.L.I.S.)**

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select Information Studies.

Application forms for entrance into the first year of the M.L.I.S. program should be submitted before the dates for guaranteed consideration as enrollment is limited.

Applicants may be interviewed by a member of the Admissions Committee or a delegate.

**Ph.D. in Information Studies**
Applicants must also provide a short (3-4 page) summary of the proposed research topic, identifying the applicant’s main research questions, the research trends that have led to the isolation of the questions, and ways in which the research could be conducted. Applicants are encouraged to review the Staff Directory and Research sections of the School's website to assist in identifying possible dissertation supervisors and to become familiar with the School's research areas before applying to the program. Questions can be addressed to the Ph.D. Program Director, Professor Kimiz Dalkir.

**Graduate Certificate in Library and Information Studies**
Applicants must also provide a statement of areas of professional interest.
Dates for guaranteed consideration are the same as for the M.L.I.S. (see section 18.11.2.5: Master of Library and Information Studies (M.L.I.S.); Information Studies (Non-Thesis) (48 credits)).

**Graduate Diploma in Library and Information Studies**
Applicants must also provide a statement of areas of academic/research interest.
Dates for guaranteed consideration are the same as for the M.L.I.S. (see section 18.11.2.5: Master of Library and Information Studies (M.L.I.S.); Information Studies (Non-Thesis) (48 credits)).

**Dates for Guaranteed Consideration**
For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select Information Studies.

### 18.11.2.4 Information Studies Faculty

<table>
<thead>
<tr>
<th><strong>Director</strong></th>
<th>France Bouthillier</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Professors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>J. Andrew Large; B.Sc.(Lond.), Ph.D.(Glas.), Dip.Lib.(Lond.) (CN-Pratt-Grinstad Professor of Information Studies)</td>
</tr>
<tr>
<td>Peter F. McNally; B.A.(W. Ont.), B.L.S., M.L.S., M.A.(McG.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Associate Professors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Joan Bartlett; B.Sc., M.L.S., Ph.D.(Tor.)</td>
</tr>
<tr>
<td>Jamshid Beheshti; B.A.(S. Fraser), M.L.S., Ph.D.(W. Ont.)</td>
</tr>
<tr>
<td>France Bouthillier; B.Ed.(UQAM), M.B.S.I.(Montr.), Ph.D.(Tor.)</td>
</tr>
<tr>
<td>Kimiz Dalkir; B.Sc., M.B.A.(McG.), Ph.D.(C'dia)</td>
</tr>
<tr>
<td>Catherine Guastavino; B.Sc.(McG.), M.Sc.(Aix-Marseille), Ph.D.(Paris)</td>
</tr>
<tr>
<td>Eun Park; B.A.(Pusan), M.L.I.S.(Ill.), M.B.A.(Pitt.), Ph.D.(Calif.-LA)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Assistant Professors</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Carolyn Hank; B.A.(Antioch), M.L.I.S.(Kent), Ph.D.(N. Carolina)</td>
</tr>
<tr>
<td>Elaine Ménard; B.A., M.A., M.S.I., Ph.D.(Montr.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Adjunct Professor</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Joy Bennett; B.A., M.A.(C'dia), M.L.I.S.(McG.), Ph.D.(C'dia)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Associate Members</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gordon Burr; B.A., M.L.I.S.(McG.), Senior Archivist, Records Management, McGill University Archives</td>
</tr>
<tr>
<td>Pierre Pluye; M.D.(Toulouse), M.Sc., Ph.D.(Montr.), Dept. of Family Medicine, McGill University</td>
</tr>
<tr>
<td>Richard Virr; B.A.(Tulane), M.A.(Qu.), Ph.D.(McG.), Curator of Manuscripts, Rare Books and Special Collections Division, McGill Libraries</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Affiliate Members</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles Cole; B.A., M.L.I.S.(McG.), Ph.D.(Sheff.)</td>
</tr>
<tr>
<td>Frances Groen; B.A., B.L.S.(Tor.), M.A.(Pitt.), Trenholme Director Emerita of Libraries, McGill University</td>
</tr>
</tbody>
</table>
Part-time Instructors

Nathalie Bélanger; L.L.B., D.D.N.(Montr.), M.L.I.S.(McG.), Director of Information Services-Library, Stikeman Elliott LLP

Edward Bilodeau; B.Sc, M.L.I.S.(McG.)

Heather Brydon; B.Ed.(Saint-Boniface), M.L.I.S.(McG.)

Louise Carpentier; B.L.S.(Tor.), M.Bibl.(Montr.), M.P.P.PA.(C'dia), Senior Librarian, Head, Government Documents and Special Collections Services, Webster Library, Concordia University Libraries

Yusuke Fitzgibbon; M.L.I.S.(Dal.)

Catherine Jenner; B.A., LL.B., M.L.I.S.(Tor.), LL.B.(Montr.), Senior Research Lawyer, Stikeman Elliott LLP

Rajiv Johal; B.Com., B.A., M.L.I.S.(McG.), Reference and Subject Librarian, Concordia University Libraries

Laurie Mitchell; B.A., M.A.(C'dia)

Dorothy Williams; B.A., M.A.(C'dia), Ph.D.(McG.)

Natasha Zwarich; B.A., M.A.(UQAM)

18.11.2.5 Master of Library and Information Studies (M.L.I.S.); Information Studies (Non-Thesis) (48 credits)

The M.L.I.S offers three streams of study: Archival Studies, Knowledge Management, and Librarianship.

In consultation with the coordinator of each stream and the Student Affairs Coordinator, before registering for courses, students will select a stream based on their interests.

During their first two terms, students should aim to complete the required core and complementary courses needed for their selected stream.

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>GLIS 601</td>
<td>(3)</td>
<td>Information and Society</td>
</tr>
<tr>
<td>GLIS 611</td>
<td>(3)</td>
<td>Research Principles and Analysis</td>
</tr>
<tr>
<td>GLIS 617</td>
<td>(3)</td>
<td>Information System Design</td>
</tr>
<tr>
<td>GLIS 620</td>
<td>(3)</td>
<td>Information Agency Management</td>
</tr>
</tbody>
</table>

Complementary Courses (36 credits)

24-36 credits from one of the following streams: Archival Studies, Knowledge Management, or Librarianship.

Archival Studies Stream

12 credits, the following four required courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 641</td>
<td>(3)</td>
<td>Archival Arrangement &amp; Description</td>
</tr>
<tr>
<td>GLIS 642</td>
<td>(3)</td>
<td>Preservation Management</td>
</tr>
<tr>
<td>GLIS 645</td>
<td>(3)</td>
<td>Archival Principles &amp; Practice</td>
</tr>
<tr>
<td>GLIS 660</td>
<td>(3)</td>
<td>Records Management</td>
</tr>
</tbody>
</table>

12-24 credits chosen from the following complementary courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 609</td>
<td>(3)</td>
<td>Metadata &amp; Access</td>
</tr>
<tr>
<td>GLIS 613</td>
<td>(3)</td>
<td>Library and Archival History</td>
</tr>
<tr>
<td>GLIS 634</td>
<td>(3)</td>
<td>Web System Design and Management</td>
</tr>
<tr>
<td>GLIS 643</td>
<td>(3)</td>
<td>Electronic Records Systems</td>
</tr>
<tr>
<td>GLIS 646</td>
<td>(12)</td>
<td>Research Project</td>
</tr>
</tbody>
</table>
GLIS 647 (6) Independent Study
GLIS 657 (3) Database Design & Development
GLIS 689 (3) Selected Topics
GLIS 699 (3) Practicum

0-12 credits chosen from the following complementary courses:
GLIS 607 (3) Organization of Information
GLIS 616 (3) Information Retrieval
GLIS 619 (3) Information Services & Users
GLIS 631 (3) Systems Thinking
GLIS 632 (3) Library Systems
GLIS 633 (3) Multimedia Systems
GLIS 638 (3) Business Information
GLIS 639 (3) Introduction to Museology
GLIS 655 (3) Language and Information
GLIS 661 (3) Knowledge Management
GLIS 665 (3) Competitive Intelligence
GLIS 690 (3) Information Policy

**Knowledge Management Stream**

12 credits, the following four required courses:
GLIS 661 (3) Knowledge Management
GLIS 662 (3) Intellectual Capital
GLIS 663 (3) Knowledge Taxonomies
GLIS 664 (3) Communities of Practice

12-24 credits chosen from the following complementary courses:
GLIS 616 (3) Information Retrieval
GLIS 633 (3) Multimedia Systems
GLIS 634 (3) Web System Design and Management
GLIS 638 (3) Business Information
GLIS 643 (3) Electronic Records Systems
GLIS 646 (12) Research Project
GLIS 647 (6) Independent Study
GLIS 657 (3) Database Design & Development
GLIS 665 (3) Competitive Intelligence
GLIS 689 (3) Selected Topics
GLIS 699 (3) Practicum

0-12 credits chosen from the following complementary courses:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 607</td>
<td>3</td>
<td>Organization of Information</td>
</tr>
<tr>
<td>GLIS 619</td>
<td>3</td>
<td>Information Services &amp; Users</td>
</tr>
<tr>
<td>GLIS 622</td>
<td>3</td>
<td>Information Service Personnel</td>
</tr>
<tr>
<td>GLIS 623</td>
<td>3</td>
<td>Financial Management</td>
</tr>
<tr>
<td>GLIS 624</td>
<td>3</td>
<td>Marketing Information Services</td>
</tr>
<tr>
<td>GLIS 631</td>
<td>3</td>
<td>Systems Thinking</td>
</tr>
<tr>
<td>GLIS 639</td>
<td>3</td>
<td>Introduction to Museology</td>
</tr>
<tr>
<td>GLIS 645</td>
<td>3</td>
<td>Archival Principles &amp; Practice</td>
</tr>
<tr>
<td>GLIS 655</td>
<td>3</td>
<td>Language and Information</td>
</tr>
<tr>
<td>GLIS 679</td>
<td>3</td>
<td>Information Literacy</td>
</tr>
<tr>
<td>GLIS 690</td>
<td>3</td>
<td>Information Policy</td>
</tr>
</tbody>
</table>

**Librarianship Stream**

12 credits, the following four required courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 607</td>
<td>3</td>
<td>Organization of Information</td>
</tr>
<tr>
<td>GLIS 615</td>
<td>3</td>
<td>Bibliographic and Factual Sources</td>
</tr>
<tr>
<td>GLIS 618</td>
<td>3</td>
<td>Collection Development</td>
</tr>
<tr>
<td>GLIS 619</td>
<td>3</td>
<td>Information Services &amp; Users</td>
</tr>
</tbody>
</table>

12-24 credits chosen from the following complementary courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 608</td>
<td>3</td>
<td>Classification and Cataloguing</td>
</tr>
<tr>
<td>GLIS 612</td>
<td>3</td>
<td>History of Books and Printing</td>
</tr>
<tr>
<td>GLIS 613</td>
<td>3</td>
<td>Library and Archival History</td>
</tr>
<tr>
<td>GLIS 614</td>
<td>3</td>
<td>Public Libraries</td>
</tr>
<tr>
<td>GLIS 632</td>
<td>3</td>
<td>Library Systems</td>
</tr>
<tr>
<td>GLIS 636</td>
<td>3</td>
<td>Government Information</td>
</tr>
<tr>
<td>GLIS 637</td>
<td>3</td>
<td>Scientific &amp; Technical Information</td>
</tr>
<tr>
<td>GLIS 638</td>
<td>3</td>
<td>Business Information</td>
</tr>
<tr>
<td>GLIS 644</td>
<td>3</td>
<td>Descriptive Bibliography</td>
</tr>
<tr>
<td>GLIS 646</td>
<td>12</td>
<td>Research Project</td>
</tr>
<tr>
<td>GLIS 647</td>
<td>6</td>
<td>Independent Study</td>
</tr>
<tr>
<td>GLIS 651</td>
<td>3</td>
<td>Humanities and Social Science Information</td>
</tr>
<tr>
<td>GLIS 656</td>
<td>3</td>
<td>Abstracting and Indexing</td>
</tr>
<tr>
<td>GLIS 671</td>
<td>3</td>
<td>Health Sciences Information</td>
</tr>
<tr>
<td>GLIS 672</td>
<td>3</td>
<td>Law Information</td>
</tr>
<tr>
<td>GLIS 673</td>
<td>3</td>
<td>Bioinformatics Resources</td>
</tr>
<tr>
<td>GLIS 679</td>
<td>3</td>
<td>Information Literacy</td>
</tr>
<tr>
<td>GLIS 689</td>
<td>3</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>GLIS 699</td>
<td>3</td>
<td>Practicum</td>
</tr>
</tbody>
</table>

0-12 credits chosen from the following complementary courses:
**Elective Courses (12 credits)**

0-12 credits approved by the student's adviser, selected from the complementary courses of streams not chosen as the student's primary focus or from other 500-, 600-, or 700-level courses; up to 6 credits may be from other Quebec universities.

**18.11.2.6 Doctor of Philosophy (Ph.D.); Information Studies**

The Ph.D. program provides an opportunity to study interdisciplinary research topics within the field of library and information studies at the doctoral level. Students develop scholarly and innovative expertise in one of the four research areas within information studies: a) information-seeking behaviour; b) human-computer interaction; c) information resources in context; d) knowledge management and representation, as well as an awareness of the inter-relatedness of these areas. Students begin with a set of common core courses and proceed to specialization through advanced coursework and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members.

**Thesis**

**Required Courses (12 credits)**

Note: GLIS 701 is normally taken in the second year.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 701</td>
<td>(0)</td>
<td>Comprehensive Examination</td>
</tr>
<tr>
<td>GLIS 702</td>
<td>(3)</td>
<td>Seminar in Information Studies</td>
</tr>
<tr>
<td>GLIS 703</td>
<td>(3)</td>
<td>Research Paradigms in Information Studies</td>
</tr>
<tr>
<td>GLIS 704</td>
<td>(3)</td>
<td>Research Design in Information Studies</td>
</tr>
<tr>
<td>GLIS 705</td>
<td>(3)</td>
<td>Readings in Information Studies</td>
</tr>
</tbody>
</table>

Students may also be required to take additional courses to prepare them for their research.

**18.11.2.7 Graduate Certificate in Library and Information Studies (15 credits)**

**Complementary Courses**

9-15 credits, three to five GLIS courses chosen in consultation with the student's adviser with the exception of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 646</td>
<td>(12)</td>
<td>Research Project</td>
</tr>
<tr>
<td>GLIS 647</td>
<td>(6)</td>
<td>Independent Study</td>
</tr>
</tbody>
</table>
GLIS 689  (3)  Selected Topics  
GLIS 695  (6)  Research Paper 1  
GLIS 696D1  (6)  Research Paper 2  
GLIS 696D2  (6)  Research Paper 2  

Note: students who wish to register for:  
GLIS 694  (3)  Certificate Project  

must first have their research proposal approved by the Committee on Student Standing and Academic Affairs.

0-6 credits of non-GLIS courses with a maximum of 3 credits from outside McGill. All such courses must be at a graduate level and receive prior approval of the student's adviser(s) and the School's Director.

### 18.11.2.8 Graduate Diploma in Library and Information Studies (30 credits)

#### Research Paper
(6-18 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 695</td>
<td>(6)</td>
<td>Research Paper 1</td>
</tr>
<tr>
<td>GLIS 696D1</td>
<td>(6)</td>
<td>Research Paper 2</td>
</tr>
<tr>
<td>GLIS 696D2</td>
<td>(6)</td>
<td>Research Paper 2</td>
</tr>
</tbody>
</table>

#### Complementary Courses
(9-24 credits)

Three to eight GLIS courses chosen in consultation with the student's adviser with the exception of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLIS 646</td>
<td>(12)</td>
<td>Research Project</td>
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<tr>
<td>GLIS 647</td>
<td>(6)</td>
<td>Independent Study</td>
</tr>
<tr>
<td>GLIS 689</td>
<td>(3)</td>
<td>Selected Topics</td>
</tr>
<tr>
<td>GLIS 694</td>
<td>(3)</td>
<td>Certificate Project</td>
</tr>
</tbody>
</table>

0-15 credits of non-GLIS courses, a maximum of one-third of which may be from outside McGill. All such courses must be at a graduate level and receive the prior approval of the student's adviser and the School's Director.

### 18.11.3 Integrated Studies in Education

#### 18.11.3.1 Location

Department of Integrated Studies in Education  
Education Building, Room 244  
3700 McTavish Street  
Montreal, QC H3A 1Y2  
Canada  

Website: [www.mcgill.ca/edu-dise](http://www.mcgill.ca/edu-dise)

Graduate Programs (Graduate Certificate, M.A., and Ph.D.):  
Education Building, Room 244  
Telephone: 514-398-1591 / 514-398-7149  
Fax: 514-398-4529  

The administrative office is open Monday to Friday from 8:30 a.m. to 5:00 p.m.
18.11.3.2 About Integrated Studies in Education

The Department offers graduate students the opportunity to enhance their knowledge related to specific areas of inquiry in the field of education through our M.A. degrees (thesis or non-thesis options), including our MATL leading to teacher certification, Ph.D. in Educational Studies, and Graduate Certificates.

The Department offers the following programs:

Three Graduate Certificates (15 credits):
- Graduate Certificate in Educational Leadership 1
- Graduate Certificate in Educational Leadership 2
- Graduate Certificate in Teaching English as a Second Language

Three M.A. Thesis and Non-Thesis degree programs (45 credits) in the following areas:
- Education and Society
- Educational Leadership
- Second Language Education

The Department offers an M.A. in Teaching and Learning (MATL) (60 credits) in the following areas:
- Social Sciences
- English Language Arts
- Science and Technology
- Mathematics
- English or French Second Language

The Department also offers a Ph.D. in Educational Studies. The four research areas currently available are:
- Curriculum and Literacy Studies
- Cultural and International Studies in Education
- Studies in Educational Leadership
- Studies in Second Language Education

Master of Arts in Education and Society

The M.A. in Education and Society consists of a 45-credit thesis or non-thesis program. The two streams – Culture and Values in Education and Teaching, Learning, and Curriculum – reflect distinct but overlapping areas of educational inquiry. Study in Culture and Values in Education may focus on critical theory, philosophy, art and aesthetics, race/class/gender issues in education, or international and comparative education. The Teaching, Learning, and Curriculum stream emphasizes current perspectives on pedagogy and curriculum, teacher education, in-and-out-of-school learning, practitioner research, and classroom practice. Through both of these streams, the program brings to bear diverse applied theoretical perspectives, including philosophy, sociology, cultural studies, policy studies, gender studies, critical pedagogy, and multi-literacies. Graduates of the program go onto doctoral programs or work in education and non-profit settings. Many in-service teachers take this program for professional development.

section 18.11.3.5: Master of Arts (M.A.); Education and Society (Thesis) (45 credits)

The M.A. thesis option is a research-oriented degree in which approximately half of the program consists of thesis research. The balance of the program is coursework.

section 18.11.3.6: Master of Arts (M.A.); Education and Society (Thesis) — Gender and Women’s Studies (45 credits)

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. In the graduate option in Gender and Women’s Studies, the M.A. thesis must be on a topic centrally relating to issues of gender and/or women’s studies.

section 18.11.3.7: Master of Arts (M.A.); Education and Society (Non-Thesis) (45 credits)

The M.A. Non-Thesis option consists mostly of coursework, but includes a project worth 6 credits. This option is less research-oriented than the thesis option and suitable for practitioners interested in professional development with a theoretical orientation.

section 18.11.3.8: Master of Arts (M.A.); Education and Society (Non-Thesis) — Gender and Women’s Studies (45 credits)

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. In the graduate option in Gender and Women’s Studies, the M.A. thesis must be on a topic centrally relating to issues of gender and/or women’s studies.
The M.A. in Second Language Education consists of a 45-credit thesis or non-thesis program. This program is designed to prepare leaders in the field of education, and in other centres of formal or informal learning, who are committed to personal and institutional improvement. The program fosters the ongoing development of reflective practitioners who have a sense of educational action, the capacity to anticipate needs, the ability to exercise professional judgment within the realities of policy frameworks, and the ability to both lead and support institutional and organizational change at all levels. A central theme of the program is the impact of policy on educational practice at local, national, and international levels.

Local and international students are practising and aspiring school principals and leaders from other organizations. Graduates fulfill Quebec Ministry requirements for school leadership and find positions as school leaders, as well as opportunities in other managerial settings.

The M.A. in Educational Leadership consists of a 45-credit thesis or non-thesis program. This program is designed to prepare leaders in the field of education, and in other centres of formal or informal learning, who are committed to personal and institutional improvement. The program fosters the ongoing development of reflective practitioners who have a sense of educational action, the capacity to anticipate needs, the ability to exercise professional judgment within the realities of policy frameworks, and the ability to both lead and support institutional and organizational change at all levels. A central theme of the program is the impact of policy on educational practice at local, national, and international levels.

Local and international students are practising and aspiring school principals and leaders from other organizations. Graduates fulfill Quebec Ministry requirements for school leadership and find positions as school leaders, as well as opportunities in other managerial settings.

The M.A. thesis option is a research-oriented degree in which approximately half of the program consists of thesis research. The balance of the program is coursework.

The M.A. Non-Thesis option, consisting entirely of coursework, is less research-oriented and suitable for practitioners interested in professional development with a theoretical orientation.

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. In the graduate option in Gender and Women’s Studies, the M.A. thesis must be on a topic centrally relating to issues of gender and/or women’s studies.

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section 18.11.3.17: Master of Arts (M.A.); Second Language Education (Non-Thesis) (45 credits)

The M.A. Non-Thesis option, consisting entirely of coursework, is less research-oriented and suitable for practitioners interested in professional development with a theoretical orientation.

Master of Arts in Teaching and Learning (MATL)

The M.A. in Teaching and Learning is a professional program leading to Quebec teacher certification for those already holding an undergraduate degree in a Ministère de l’Éducation, du Loisir et du Sport (MELS) identified teachable subject area (Mathematics, Science & Technology, Social Sciences, English, TESL, TFSL). This 60-credit degree program is comprised of 45 credits of coursework, coupled with 15 credits of internship. Throughout the MATL, emphasis will be on the attainment of the QEP professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

section 18.11.3.18: Master of Arts (M.A.) in Teaching and Learning — English or French Second Language (60 credits)

This 60-credit degree program is comprised of 45 credits of coursework, coupled with 15 credits of internship. Upon completion, students are recommended to the MELS for certification to teach English or French Second Language.

section 18.11.3.19: Master of Arts (M.A.) in Teaching and Learning — English Language Arts Option (60 credits)

This 60-credit degree program is comprised of 45 credits of coursework, coupled with 15 credits of internship. Upon completion, students are recommended to the MELS for certification to teach English Language Arts.

section 18.11.3.20: Master of Arts (M.A.) in Teaching and Learning — Mathematics Option (60 credits)

This 60-credit degree program is comprised of 45 credits of coursework, coupled with 15 credits of internship. Upon completion, students are recommended to the MELS for certification to teach Mathematics.

section 18.11.3.21: Master of Arts (M.A.) in Teaching and Learning — Social Sciences Option (60 credits)

This 60-credit degree program is comprised of 45 credits of coursework, coupled with 15 credits of internship. Upon completion, students are recommended to the MELS for certification to teach Social Sciences.

section 18.11.3.22: Master of Arts (M.A.) in Teaching and Learning — Science and Technology Option (60 credits)

This 60-credit degree program is comprised of 45 credits of coursework, coupled with 15 credits of internship. Upon completion, students are recommended to the MELS for certification to teach Science and Technology.

Doctor of Philosophy in Educational Studies

The Ph.D. in Educational Studies prepares graduates for careers in a variety of education-related fields. The Ph.D.’s core areas are curriculum and literacy, cultural and international studies in education, educational leadership, and second-language education. The program has been designed to ensure flexibility, and students experience both multidisciplinary and discipline-specific research opportunities. The program begins with a set of common courses and proceeds to specialization through advanced coursework and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members. Graduates find work as researchers, teachers, consultants, curriculum developers, and administrators in a wide range of settings, including universities, school boards, government agencies, and international NGOs.

section 18.11.3.23: Doctor of Philosophy (Ph.D.); Educational Studies

The Ph.D. in Educational Studies provides an integrative perspective on education by drawing on a range of related disciplines and research orientations. Students develop scholarly and innovative expertise in at least one of three contexts of inquiry and awareness of all three: a) the broad context of culture and society; b) the international, national, and local contexts of educational leadership and policy studies; and c) the more specific contexts of schools and other sites of teaching and learning. Students begin with a set of common core courses and proceed to specialization through advanced coursework and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members.

section 18.11.3.24: Doctor of Philosophy (Ph.D.); Educational Studies — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Educational Studies. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

section 18.11.3.25: Doctor of Philosophy (Ph.D.); Educational Studies — Gender and Women’s Studies

The graduate option in Gender and Women’s Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and issues in feminist research and methods. In the graduate option in Gender and Women’s Studies, the Ph.D. thesis must be on a topic centrally relating to issues of gender and/or women’s studies.

Graduate Certificates
**Section 18.11.3.26: Graduate Certificate in Educational Leadership 1 (15 credits)**

This 15-credit program addresses the needs of experienced and aspiring school leaders who are taking increased responsibility for the students and communities they serve. The management of schools is increasingly seen as making a major contribution to the learning and personal development of students. The professional development of school leaders, educational reform, and school partnership form the basis for the program. Course selection to be approved by Graduate Certificate Program Director.

**Section 18.11.3.27: Graduate Certificate in Educational Leadership 2 (15 credits)**

This 15-credit program explores more deeply leadership theory and educational issues and applications in a practicum. Candidates for the Graduate Certificate in Educational Leadership 2 should normally have completed the first certificate. In combination, the two certificates allow school administrators to acquire the 30 graduate credits in the field of educational leadership required by the Ministère de l’Éducation, du Loisir et du Sport (MELS). Course selection to be approved by Graduate Certificate Program Director.

No course taken in Certificate 1 can be repeated in Certificate 2.

**Section 18.11.3.28: Graduate Certificate; Teaching English as a Second Language (15 credits)**

This 15-credit program is designed as professional development for in-service teachers and candidates with a background in education, language studies, linguistics or a related field, or as preparation for application to our M.A. in Second Language Education. The five courses that comprise the certificate provide a solid background and offer in-depth study in the field of second language education from a range of perspectives and with a focus on research and applications to teaching. Please note that this certificate does not lead to teacher certification. The Graduate Certificate in TESL is designed to be available to students worldwide. Courses are offered in a combination of online and face-to-face formats, and are sequenced in such a way that students can complete the certificate in one year. The maximum time for completion is three years. The first three courses are offered online, and can be undertaken anywhere an Internet connection is available. The final two courses are offered face-to-face in the Summer semester either on-site at McGill or at off-site locations with collaborative partners, if numbers warrant.

**18.11.3.3 Integrated Studies in Education Admission Requirements and Application Procedures**

**18.11.3.3.1 Admission Requirements**

**Graduate Certificates, M.A., and Ph.D. Programs**

1. Applicants to the Certificate and M.A. programs must hold a bachelor's degree from a recognized university. A minimum standing equivalent to a CGPA of 3.0/4.0, or 3.2/4.0 for the last two full-time academic years is required. A concentration of courses related to the area chosen for graduate work is usually required. (See #5, below.)

   Applicants to the Ph.D. program must hold an M.A. in Education or a recognized equivalent degree from a recognized university. The applicant's record should indicate high academic standing (a minimum CGPA of 3.0/4.0) and evidence of research competence in the proposed area of doctoral research.

2. Applicants to the Certificate and M.A. programs must submit:
   - A letter of intent specifying academic and professional experience and interests (specifically, research interests for the Thesis option or project interests for the Non-Thesis Project option).

   Applicants to the Ph.D. in Educational Studies program must submit:
   - A letter of intent identifying the applicant's proposed research topic, potential supervisor, and expected professional direction. Please note that it is the Ph.D. applicant's responsibility to secure a supervisor as part of the admission process.
   - A four- to five-page summary of the proposed research topic identifying the applicant's main research questions, the research trends that have led to the questions, ways in which the research could be conducted, and relevant references.

3. Two letters of recommendation, at least one of which must be from a university-level instructor; the other may be from an administrator in an educationally relevant context.

4. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must meet one of the following English proficiency criteria:
   - IELTS with a minimum overall band of 7.0
   - TOEFL:
     - iBT (Internet-based test) – Total score of 92 with a minimum score of 22 each for the Writing and Speaking sections and a minimum of 20 each for the Reading and Listening sections.
     - PBT (paper-based test) – 580

   The Department reserves the right to evaluate the applicant's language proficiency before initial registration.

5. Further requirements applicable to specific options:
   - **Graduate Certificates in Educational Leadership 1 and 2.** Normally, at least two years of relevant educational experience (in leadership roles or related professional experience).
Graduate Certificate in Teaching English as a Second Language. Applicants are required to pass a written and oral English language proficiency test set by the Department.

Master of Arts in Second Language Education. Normally, a minimum of 36 credits including a combination of relevant courses in education and language studies.

Normally, at least two years of relevant professional experience in education.

Master of Arts in Education and Society and Master of Arts in Educational Leadership. Normally, at least two years of relevant educational experience (teaching or related professional experience).


18.11.3.3.2 Application Procedures

McGill’s online application form is available to all graduate program candidates at www.mcgill.ca/gradapplicants/apply. Applicants must submit, before the dates for guaranteed consideration, the following:

1. completed web application form;
2. $100 application fee;
3. letter of intent (one to two pages) for Certificate and M.A. programs;
   letter of intent and a summary of proposed research topic (four to five pages) for Ph.D. programs;
4. curriculum vitae;
5. TOEFL score or IELTS result (if applicable). Results must be submitted directly from the TOEFL or IELS Office;
   Applicants must arrange to have the following documents sent directly to the Department from the institutions involved:
6. two sets of official transcripts of all previous undergraduate and graduate studies;
7. two letters of recommendation. (At least one of the letters must be from a university-level instructor; the other may be from an administrator qualified to assess the applicant’s professional qualities. Both letters must be on institutional letterhead paper with original signatures; no standard evaluation form is available for this purpose.)

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. All documentation is to be submitted directly to the Graduate Program Coordinator in the Department of Integrated Studies in Education:

Graduate Program Coordinator
Department of Integrated Studies in Education
Faculty of Education
McGill University
3700 McTavish Street, Room 244
Montreal, QC H3A 1Y2
Canada

18.11.3.4 Integrated Studies in Education Faculty

Chair
Dr. Steven Jordan

Co-Directors of M.A. and Ph.D. Programs
Dr. Lise Winer and Dr. Michael Hoechsmann

Director of Graduate Certificates
Dr. Lynn Butler-Kisber - Educational Leadership
Dr. Caroline Riches - Teaching English as a Second Language

Emeritus Professors
Patrick X. Dias; B.A., M.A.(Karachi), B.Ed., Ph.D.(Montr.)
Margaret Gillett; B.A., Dip.Ed.(Syd.), M.A.(Russell Sage), Ed.D.(Col.) (William C. MacDonald Emeritus Professor of Education)
Emeritus Professors

John B. Gradwell; B.A., M.A.(Calif.), Ph.D.(Iowa)
Wayne C. Hall; B.A., M.A.(Bishop's) (William C. Macdonald Emeritus Professor of Education)

Denise Lussier; B.A.(Coll. Jesus Marie de Sillery), M.Ed.(Boston), M.A., Ph.D.(Laval)

Jacques J. Rebuffot; B. ès L., L. ès L., D.E.S.(Aix-Marseille), Dip. I.E.P., Dr. 3rd Cy.(Strasbourg)

Bernard Shapiro; B.A.(McG.), M.A.T., Ed.D.(Harv.)

David C. Smith; B.Ed.(McG.), Ph.D.(Lond.), F.C.C.T., F.R.S.A.


John Wolforth; B.Sc.(Sheff.), M.A., Ph.D.(Br. Col.)

Professors

Lynn Butler-Kisber, B.Ed., M.Ed.(McG.), Ed.D.(Harv.)

David Dillon; B.A.(St. Columban's), M.S.(ST Texas St.), Ph.D.(Texas-Austin)

Ratna Ghosh; C.M., B.A.(Calc.), M.A., Ph.D.(Calg.), F.R.S.C. (William C. Macdonald Professor of Education) (James McGill Professor)

Barry Levy; B.A., M.A., B.R.E.(Yeshiva), Ph.D.(NYU)

Roy Lyster; B.A.(Regina), M.A.(Paris VII), B.Ed., M.Ed., Ph.D.(Tor.)


Claudia A. Mitchell; B.A.(Bran.), M.A.(Mt. St. Vin.), Ph.D.(Alta.) (James McGill Professor)

Anthony Paré; B.Ed, M.A., Ph.D.(McG.)

Lise Winer; B.A.(Pitt.), M.A.(Minn.), Cert.Ped.(C'dia), Ph.D.(West Indies)

Associate Professors

Helen Amoriggi; B.Sc., M.A.(Rhode Is.), Ed.D.(Boston)

Jon G. Bradley; B.A., M.A.(Sir G. Wms.)

Eric Caplan; B.A.(Tor.), M.A.(Hebrew), Ph.D.(McG.)

Michael Hoochstmann; B.A., M.A.(S. Fraser), Ph.D.(Tor.)

Steven Jordan; B.A.(Kent), M.Sc.(Lond.), Ph.D.(McG.)

Bronwen Low; B.A.(Qu.), M.A.(Br. Col.), Ph.D.(York)

Kevin McDonough; B.A., B.Ed., M.Ed.(Alta.), Ph.D.(ILL.)

Ronald Morris; B.Ed., M.A., Ph.D.(McG.)

Mela Sarkar; B.A., Dip.Ed.(McG.), M.A., Ph.D.(C'dia)

Gale A. Seiler; B.Sc.(Fairleigh Dickinson), M.S.(Montana), Ph.D.(Penn.)

Shaheen Shariff; B.G.S., M.A.Educ., Ph.D.(S. Fraser)

Doreen Starke-Meyerring; B.Ed.(Potsdam), M.A.(N. Dakota), Ph.D.(Minn.)

Shirley R. Steenberg; B.Ed., M.Ed.(Leth.), Ph.D.(Penn. St.)

Teresa Strong-Wilson; B.A.(Calg.), B.A.(McG.), M.A., Ph.D.(Vic., BC)

Carolyn E. Turner; B.A.(Ariz.), M.Ed., Ph.D.(McG.)

Boyd White; B.A.(Sir G. Wms.), B.F.A.(C'dia), M.F.A.(Inst. Allende, Guanajuato), Ph.D.(C'dia)


Assistant Professors

Anila Asghar; M.S.(Punjab), M.A.(Col.), M.Ed., Ed.D.(Harv.)

Spencer Boudreau; B.A.(Don Bosco), B.A., M.A.(Sher.), Ph.D.(C'dia)
### Assistant Professors
Abdul Aziz Choudry; Grad.Dip., Ph.D.(C'dia)
Kara Jackson; B.A.(Bates), M.A., Ph.D.(Penn.)
Annie Savard; B.Ed., M.A., Ph.D.(Laval)
Sylvia Sklar; Dip.Ed.(McG.), B.A.(C'dia), M.Ed.(McG.)

### Associate Members
Adrienne Hurley, Lynn McAlpine

### Faculty Lecturers
Beverly Baker, Fiona Benson, Charlotte Hussey, Caroline Riches, Louise Savoie, Donna-Lee Smith

### Adjunct Professors
Colin Lankshear, Robert Saggers, Ruth Sandwell, Ann Smith

### 18.11.3.5 Master of Arts (M.A.); Education and Society (Thesis) (45 credits)

#### Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 621</td>
<td>6</td>
<td>Thesis 1</td>
</tr>
<tr>
<td>EDEM 623</td>
<td>6</td>
<td>Thesis 2</td>
</tr>
<tr>
<td>EDEM 699</td>
<td>12</td>
<td>Thesis 3</td>
</tr>
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</table>

#### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 609</td>
<td>3</td>
<td>Introduction to Educational Theory and Research</td>
</tr>
<tr>
<td>EDEM 690</td>
<td>3</td>
<td>Research Methods: Philosophy and Practice</td>
</tr>
</tbody>
</table>

#### Complementary Courses (3 credits)

3 credits selected from one of the following streams below:

**Culture and Values in Education Stream**

3 credits to be selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDER 607</td>
<td>3</td>
<td>Values Education: Contemporary Approaches</td>
</tr>
<tr>
<td>EDER 608</td>
<td>3</td>
<td>Educational Implications of Social Theory</td>
</tr>
<tr>
<td>EDER 615</td>
<td>3</td>
<td>Culture, Values and Education</td>
</tr>
</tbody>
</table>

**Teaching, Learning, and Curriculum Stream**

3 credits to be selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 602</td>
<td>3</td>
<td>Foundations of Curriculum</td>
</tr>
<tr>
<td>EDEC 606</td>
<td>3</td>
<td>Seminar in Curriculum Inquiry</td>
</tr>
<tr>
<td>EDEM 644</td>
<td>3</td>
<td>Curriculum Development and Implementation</td>
</tr>
</tbody>
</table>

**Elective Courses (12 credits)**

12 credits at the 500, 600, or 700 level, chosen in consultation with the Thesis Supervisor or Graduate Program Director. The student may take a maximum of 6 credits from outside the Department.
18.11.3.6 Master of Arts (M.A.); Education and Society (Thesis) — Gender and Women's Studies (45 credits)

**Thesis Courses (24 credits)**

- EDEM 621 (6) Thesis 1
- EDEM 623 (6) Thesis 2
- EDEM 699 (12) Thesis 3

**Required Courses (9 credits)**

- EDEM 609 (3) Introduction to Educational Theory and Research
- EDEM 690 (3) Research Methods: Philosophy and Practice
- WMST 601 (3) Feminist Theories and Methods

**Complementary Courses (6 credits)**

6 credits selected as follows:

- 3 credits from the Culture and Values in Education Stream OR Teaching, Learning, and Curriculum Stream
- 3 credits selected either by taking WMST 602 or a course at the 500- level or higher on gender/women's issues.

**Culture and Values in Education Stream**

3 credits to be selected from the following:

- EDER 607 (3) Values Education: Contemporary Approaches
- EDER 608 (3) Educational Implications of Social Theory
- EDER 615 (3) Culture, Values and Education

**Teaching, Learning, and Curriculum Stream**

3 credits to be selected from the following:

- EDEC 602 (3) Foundations of Curriculum
- EDEC 606 (3) Seminar in Curriculum Inquiry
- EDEM 644 (3) Curriculum Development and Implementation

3 credits chosen from the following, must be either:

- WMST 602 (3) Feminist Research Symposium

or one 3-credit course, at the 500, 600, or 700 level, chosen in consultation with the Thesis Supervisor or Graduate Program Director. Students may take a maximum of 3 credits from outside the Department.

**Elective Courses (6 credits)**

6 credits at the 500- level or higher, chosen in consultation with the Thesis Supervisor or Graduate Program Director. Maximum 3 credits from outside the Department.

18.11.3.7 Master of Arts (M.A.); Education and Society (Non-Thesis) (45 credits)

**Research Project (6 credits)**

- EDER 633 (6) Project

**Required Courses (6 credits)**
EDEM 609 (3) Introduction to Educational Theory and Research
EDEM 690 (3) Research Methods: Philosophy and Practice

**Complementary Courses (3 credits)**

3 credits selected from one of the following streams below:

**Culture and Values in Education Stream**

3 credits selected from the following:

- EDER 607 (3) Values Education: Contemporary Approaches
- EDER 608 (3) Educational Implications of Social Theory
- EDER 615 (3) Culture, Values and Education

**Teaching and Learning Curriculum Stream**

3 credits to be selected from the following:

- EDEC 602 (3) Foundations of Curriculum
- EDEC 606 (3) Seminar in Curriculum Inquiry
- EDEM 644 (3) Curriculum Development and Implementation

**Elective Courses (30 credits)**

30 credits at the 500, 600, or 700 level chosen in consultation with the Project Supervisor or Graduate Program Director. Students may take a maximum of 9 credits from outside the Department.

**18.11.3.8 Master of Arts (M.A.); Education and Society (Non-Thesis) — Gender and Women’s Studies (45 credits)**

**Research Project (6 credits)**

- EDER 633 (6) Project

**Required Courses (9 credits)**

- EDEM 609 (3) Introduction to Educational Theory and Research
- EDEM 690 (3) Research Methods: Philosophy and Practice
- WMST 601 (3) Feminist Theories and Methods

**Complementary Courses (6 credits)**

6 credits selected as follows:

3 credits from Culture and Values in Education Stream or Teaching, Learning, and Curriculum Stream

3 credits selected either by taking WMST 602 or a course at the 500-level or higher on gender/women's issues.

**Culture and Values in Education Stream**

3 credits to be selected from the following:

- EDER 607 (3) Values Education: Contemporary Approaches
- EDER 608 (3) Educational Implications of Social Theory
- EDER 615 (3) Culture, Values and Education

**Teaching, Learning, and Curriculum Stream**

3 credits to be selected from the following:
Foundations of Curriculum (3) EDEC 602
Seminar in Curriculum Inquiry (3) EDEC 606
Curriculum Development and Implementation (3) EDEM 644

3 credits chosen from the following, must be either:
WMST 602 (3) Feminist Research Symposium

or one 3-credit course, at the 500, 600, or 700 level, on gender/women’s issues (may be in the Department or outside).

**Elective Courses (24 credits)**
24 credits at the 500, 600, or 700 level, chosen in consultation with the Project Supervisor or the Graduate Program Director. Students may take a maximum of 12 credits outside the Department.

**18.11.3.9 Master of Arts (M.A.); Education and Society (Non-Thesis) — Jewish Education (45 credits)**
This program is designed to offer a graduate-level point of entry into the teaching profession for students who typically will have completed a B.A. with minor or major in Jewish Studies. The M.A. will not provide Quebec Government teacher certification (in Quebec, certification is at the B.Ed. level), but at the present time, Jewish schools may hire non-certified teachers of Jewish Studies at their discretion.

Students interested in doing a research-focused M.A. in the area of Jewish Education should follow one of the other graduate degree offerings within the area of Education and Society.

**Required Internship (15 credits)**
EDER 610D1 (7.5) Internship
EDER 610D2 (7.5) Internship

**Required Courses (6 credits)**
EDEM 690 (3) Research Methods: Philosophy and Practice
EDER 520 (3) Issues in Jewish Education

**Complementary Courses (24 credits)**
24 credits at the 500, 600, or 700 level, selected in consultation with the program adviser. Students will normally follow this profile:

9 credits from the course offerings of the Department of Jewish Studies, Faculty of Arts.

9 credits chosen from the following courses:
EDER 521 (3) Teaching Judaism: Yiddish
EDER 522 (3) Teaching Judaism: Hebrew
EDER 523 (3) Teaching Judaism: Bible
EDER 524 (3) Teaching Judaism: History
EDER 525 (3) Teaching Judaism: Holidays
EDER 526 (3) Teaching Judaism: Liturgy
EDER 527 (3) Teaching Judaism: Special Topics
EDER 528 (3) Teaching Judaism: The Holocaust

6 credits selected from the following courses:
EDPE 510 (3) Learning and Technology
EDPE 535 (3) Instructional Design
EDPE 616 (3) Cognitive Development
EDPI 526 (3) Talented and Gifted Students
EDPI 642 (3) Education of Learners/Special Needs 1
EDPI 654 (3) Instruction/Curriculum Adaptation

Language Requirement
EDER 529 (0) Hebrew Language Requirement

18.11.3.10 Master of Arts (M.A.); Educational Leadership (Thesis) (45 credits)

Thesis Courses (24 credits)
EDEM 621 (6) Thesis 1
EDEM 623 (6) Thesis 2
EDEM 699 (12) Thesis 3

Required Courses (9 credits)
EDEM 609 (3) Introduction to Educational Theory and Research
EDEM 610 (3) Leadership in Action
EDEM 673 (3) Leadership Theory in Education

Complementary Courses (6 credits)
6 credits selected from the following courses:
EDEM 690 (3) Research Methods: Philosophy and Practice
EDEM 692 (3) Qualitative Research Methods
EDSL 630 (3) Qualitative/Ethnographic Methods

Elective Courses (6 credits)
6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

18.11.3.11 Master of Arts (M.A.); Educational Leadership (Thesis) — Gender and Women’s Studies (45 credits)

Thesis Courses (24 credits)
EDEM 621 (6) Thesis 1
EDEM 623 (6) Thesis 2
EDEM 699 (12) Thesis 3

Required Courses (12 credits)
EDEM 609 (3) Introduction to Educational Theory and Research
EDEM 610 (3) Leadership in Action
EDEM 673 (3) Leadership Theory in Education
WMST 601 (3) Feminist Theories and Methods
Complementary Courses (6 credits)

3 credits selected from the following courses:

- EDEM 690 (3) Research Methods: Philosophy and Practice
- EDEM 692 (3) Qualitative Research Methods
- EDSL 630 (3) Qualitative/Ethnographic Methods

3 credits selected from the following, must be either:

- WMST 602 (3) Feminist Research Symposium

or one 3 credit course, at the 500, 600, or 700 level, on gender/women's issues (may be in the Department or outside).

Elective Course (3 credits)

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

18.11.3.12 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Coursework (45 credits)

Required Courses (12 credits)

- EDEM 609 (3) Introduction to Educational Theory and Research
- EDEM 610 (3) Leadership in Action
- EDEM 673 (3) Leadership Theory in Education
- EDEM 690 (3) Research Methods: Philosophy and Practice

Complementary Courses (27 credits)

24 credits selected from the following courses:

- EDEM 628 (3) Education Resource Management
- EDEM 630 (3) Policy Issues: Workplace Learning
- EDEM 637 (3) Managing Educational Change
- EDEM 644 (3) Curriculum Development and Implementation
- EDEM 646 (3) Planning and Evaluation
- EDEM 664 (3) Education and the Law
- EDEM 674 (3) Organizational Theory and Education
- EDEM 675 (3) Special Topics 1
- EDEM 677 (3) Special Topics 2
- EDEM 693 (3) School Improvement Approaches

3 credits selected from the following courses:

- EDEC 602 (3) Foundations of Curriculum
- EDEC 606 (3) Seminar in Curriculum Inquiry
- EDEC 612 (3) Media Literacy
- EDEC 620 (3) Meanings of Literacy
- EDEC 635 (3) Advanced Written Communication

Elective Courses (6 credits)
6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

### 18.11.3.13 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Project (45 credits)

#### Research Project (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 625</td>
<td>6</td>
<td>Project 1</td>
</tr>
<tr>
<td>EDEM 627</td>
<td>6</td>
<td>Project 2</td>
</tr>
</tbody>
</table>

#### Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 609</td>
<td>3</td>
<td>Introduction to Educational Theory and Research</td>
</tr>
<tr>
<td>EDEM 610</td>
<td>3</td>
<td>Leadership in Action</td>
</tr>
<tr>
<td>EDEM 673</td>
<td>3</td>
<td>Leadership Theory in Education</td>
</tr>
<tr>
<td>EDEM 690</td>
<td>3</td>
<td>Research Methods: Philosophy and Practice</td>
</tr>
</tbody>
</table>

#### Complementary Courses (15 credits)

12 credits selected from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 628</td>
<td>3</td>
<td>Education Resource Management</td>
</tr>
<tr>
<td>EDEM 630</td>
<td>3</td>
<td>Policy Issues: Workplace Learning</td>
</tr>
<tr>
<td>EDEM 637</td>
<td>3</td>
<td>Managing Educational Change</td>
</tr>
<tr>
<td>EDEM 644</td>
<td>3</td>
<td>Curriculum Development and Implementation</td>
</tr>
<tr>
<td>EDEM 646</td>
<td>3</td>
<td>Planning and Evaluation</td>
</tr>
<tr>
<td>EDEM 664</td>
<td>3</td>
<td>Education and the Law</td>
</tr>
<tr>
<td>EDEM 674</td>
<td>3</td>
<td>Organizational Theory and Education</td>
</tr>
<tr>
<td>EDEM 675</td>
<td>3</td>
<td>Special Topics 1</td>
</tr>
<tr>
<td>EDEM 677</td>
<td>3</td>
<td>Special Topics 2</td>
</tr>
<tr>
<td>EDEM 693</td>
<td>3</td>
<td>School Improvement Approaches</td>
</tr>
</tbody>
</table>

3 credits selected from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 602</td>
<td>3</td>
<td>Foundations of Curriculum</td>
</tr>
<tr>
<td>EDEC 606</td>
<td>3</td>
<td>Seminar in Curriculum Inquiry</td>
</tr>
<tr>
<td>EDEC 612</td>
<td>3</td>
<td>Media Literacy</td>
</tr>
<tr>
<td>EDEC 620</td>
<td>3</td>
<td>Meanings of Literacy</td>
</tr>
<tr>
<td>EDEC 635</td>
<td>3</td>
<td>Advanced Written Communication</td>
</tr>
</tbody>
</table>

#### Elective Courses (6 credits)

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

### 18.11.3.14 Master of Arts (M.A.); Educational Leadership (Non-Thesis) — Project — Gender and Women's Studies (45 credits)

#### Research Project (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 625</td>
<td>6</td>
<td>Project 1</td>
</tr>
<tr>
<td>EDEM 627</td>
<td>6</td>
<td>Project 2</td>
</tr>
</tbody>
</table>

#### Required Courses (15 credits)

[Insert course details here]
Introduction to Educational Theory and Research (EDEM 609)
Leadership in Action (EDEM 610)
Leadership Theory in Education (EDEM 673)
Research Methods: Philosophy and Practice (EDEM 690)
Feminist Theories and Methods (WMST 601)

Complementary Courses (15 credits)
9 credits selected from the following:
- EDEM 628 Education Resource Management (3)
- EDEM 630 Policy Issues: Workplace Learning (3)
- EDEM 637 Managing Educational Change (3)
- EDEM 644 Curriculum Development and Implementation (3)
- EDEM 646 Planning and Evaluation (3)
- EDEM 664 Education and the Law (3)
- EDEM 674 Organizational Theory and Education (3)
- EDEM 675 Special Topics 1 (3)
- EDEM 677 Special Topics 2 (3)
- EDEM 693 School Improvement Approaches (3)

3 credits selected from the following courses:
- EDEC 602 Foundations of Curriculum (3)
- EDEC 606 Seminar in Curriculum Inquiry (3)
- EDEC 612 Media Literacy (3)
- EDEC 620 Meanings of Literacy (3)
- EDEC 635 Advanced Written Communication (3)

3 credits selected from the following, must be either:
- WMST 602 Feminist Research Symposium (3)

or one 3-credit course, at the 500, 600, or 700 level, on gender/women's issues (may be in the Department or outside).

Elective Course
3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

18.11.3.15 Master of Arts (M.A.); Second Language Education (Thesis) (45 credits)
The M.A. in Second Language Education consists of a 45-credit thesis or non-thesis program. It provides an overview of the state of the art in second language acquisition, assessment and evaluation, and research methods, including quantitative and qualitative approaches. The program covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/methods and program planning areas (for example, content-based second language teaching or “immersion”), language testing, language policy and planning, and critical applied linguistics. Graduates may go on to doctoral work in applied linguistics. They may also seek employment at ministry, school board, or other sites of active research on second languages. Many graduates also continue active careers in school contexts as second language teaching practitioners, program administrators or evaluators.

Thesis Courses (24 credits)
- EDSL 666 Thesis Research 1 (6)
- EDSL 667 Thesis Research 2 (6)
Required Courses (9 credits)

- EDEM 690 (3) Research Methods: Philosophy and Practice
- EDPE 575 (3) Educational Measurement
- EDSL 623 (3) Second Language Learning

Complementary Courses (9 credits)

9 credits selected from the following courses:

- EDEM 609 (3) Introduction to Educational Theory and Research
- EDSL 617 (3) Special Topic in Second Language Education
- EDSL 620 (3) Critical Issues in Second Language Education
- EDSL 624 (3) Educational Sociolinguistics
- EDSL 627 (3) Classroom-Centred Second Language Research
- EDSL 629 (3) Second Language Assessment
- EDSL 630 (3) Qualitative/Ethnographic Methods
- EDSL 631 (3) Second Language Curriculum
- EDSL 632 (3) Second Language Literacy Development
- EDSL 651 (3) Content-Based L2 Learning

Elective Course (3 credits)

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

18.11.3.16 Master of Arts (M.A.); Second Language Education (Thesis) — Gender and Women’s Studies (45 credits)

Thesis Courses (24 credits)

- EDSL 666 (6) Thesis Research 1
- EDSL 667 (6) Thesis Research 2
- EDSL 668 (6) Thesis Research 3
- EDSL 669 (6) Thesis Research 4

Required Courses (12 credits)

- EDEM 690 (3) Research Methods: Philosophy and Practice
- EDPE 575 (3) Educational Measurement
- EDSL 623 (3) Second Language Learning
- WMST 601 (3) Feminist Theories and Methods

Complementary Courses (9 credits)

6 credits selected from the following courses:

- EDEM 609 (3) Introduction to Educational Theory and Research
- EDSL 617 (3) Special Topic in Second Language Education
- EDSL 620 (3) Critical Issues in Second Language Education
### Master of Arts (M.A.); Second Language Education (Non-Thesis) (45 credits)

The M.A. in Second Language Education consists of a 45-credit thesis or non-thesis program. It provides an overview of the state of the art in second language acquisition, assessment and evaluation, and research methods, including quantitative and qualitative approaches. The program covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/methods and program planning areas (for example, content-based second language teaching or “immersion”), language testing, language policy and planning, and critical applied linguistics. Graduates may go on to doctoral work in applied linguistics. They may also seek employment at ministry, school board, or other sites of active research on second languages. Many graduates also continue active careers in school contexts as second language teaching practitioners, program administrators, or evaluators.

#### Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 609</td>
<td>3</td>
<td>Introduction to Educational Theory and Research</td>
</tr>
<tr>
<td>EDEM 690</td>
<td>3</td>
<td>Research Methods: Philosophy and Practice</td>
</tr>
<tr>
<td>EDPE 575</td>
<td>3</td>
<td>Educational Measurement</td>
</tr>
<tr>
<td>EDSL 623</td>
<td>3</td>
<td>Second Language Learning</td>
</tr>
</tbody>
</table>

#### Complementary Courses (15 credits)

15 credits chosen from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 617</td>
<td>3</td>
<td>Special Topic in Second Language Education</td>
</tr>
<tr>
<td>EDSL 620</td>
<td>3</td>
<td>Critical Issues in Second Language Education</td>
</tr>
<tr>
<td>EDSL 624</td>
<td>3</td>
<td>Educational Sociolinguistics</td>
</tr>
<tr>
<td>EDSL 627</td>
<td>3</td>
<td>Classroom-Centred Second Language Research</td>
</tr>
<tr>
<td>EDSL 629</td>
<td>3</td>
<td>Second Language Assessment</td>
</tr>
<tr>
<td>EDSL 630</td>
<td>3</td>
<td>Qualitative/Ethnographic Methods</td>
</tr>
<tr>
<td>EDSL 631</td>
<td>3</td>
<td>Second Language Curriculum</td>
</tr>
<tr>
<td>EDSL 632</td>
<td>3</td>
<td>Second Language Literacy Development</td>
</tr>
<tr>
<td>EDSL 651</td>
<td>3</td>
<td>Content-Based L2 Learning</td>
</tr>
</tbody>
</table>

#### Elective Courses (18 credits)

18 credits of courses at the 500, 600, or 700 level, are selected in consultation with the Graduate Program Director and may include complementary courses listed above. Up to 6 of the elective credits may include the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CESL 690</td>
<td>3</td>
<td>Writing for Graduate Students</td>
</tr>
<tr>
<td>EDEC 635</td>
<td>3</td>
<td>Advanced Written Communication</td>
</tr>
</tbody>
</table>

An undergraduate language course (e.g. Spanish, Italian, Japanese).
18.11.3.18 Master of Arts (M.A.) in Teaching and Learning — English or French Second Language (60 credits)

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québécois Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

Required Courses (45 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEN 690</td>
<td>3</td>
<td>Research Methods: Philosophy and Practice</td>
</tr>
<tr>
<td>EDIN 601</td>
<td>9</td>
<td>Internship 1</td>
</tr>
<tr>
<td>EDIN 602</td>
<td>10</td>
<td>Internship 2</td>
</tr>
<tr>
<td>EDPS 600</td>
<td>1</td>
<td>Introductory Professional Seminar</td>
</tr>
<tr>
<td>EDPS 605</td>
<td>1</td>
<td>Culminating Professional Seminar</td>
</tr>
<tr>
<td>EDSL 500</td>
<td>3</td>
<td>Foundations and Issues in Second Language Education</td>
</tr>
<tr>
<td>EDTL 500</td>
<td>3</td>
<td>Applications of Educational Psychology Across Classrooms</td>
</tr>
<tr>
<td>EDTL 506</td>
<td>3</td>
<td>Philosophy of Education</td>
</tr>
<tr>
<td>EDTL 508</td>
<td>3</td>
<td>Critical Influences on Educational Praxis</td>
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<td>EDTL 515</td>
<td>0</td>
<td>English Exam for Teacher Certification</td>
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<td>EDTL 601</td>
<td>3</td>
<td>Cross-curricular Teaching Methods</td>
</tr>
<tr>
<td>EDTL 604</td>
<td>3</td>
<td>Techniques for Assessment</td>
</tr>
<tr>
<td>EDTL 609</td>
<td>3</td>
<td>Diverse Learners</td>
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</table>

Complementary Courses (15 credits)

3 credits selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 612</td>
<td>3</td>
<td>Media Literacy</td>
</tr>
<tr>
<td>EDEC 620</td>
<td>3</td>
<td>Meanings of Literacy</td>
</tr>
</tbody>
</table>

6 credits from chosen in accordance with MELS subject area:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTL 635</td>
<td>3</td>
<td>Applied Methods in Second Language Education</td>
</tr>
</tbody>
</table>

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 505</td>
<td>3</td>
<td>Second Language Acquisition Applied to Classroom Contexts</td>
</tr>
<tr>
<td>EDSL 512</td>
<td>3</td>
<td>Grammar in Teaching English as a Second Language</td>
</tr>
<tr>
<td>EDSL 515</td>
<td>3</td>
<td>Étude de la langue française pour enseignants</td>
</tr>
</tbody>
</table>

Students select 6 credits from 500- or 600-level courses related to English or French Second Language area and courses from all streams.

English or French Second Language

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 628</td>
<td>3</td>
<td>Literacy - Multilingual/Multicultural Settings</td>
</tr>
<tr>
<td>Course Code</td>
<td>Credits</td>
<td>Course Title</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>-----------------------------------------</td>
</tr>
<tr>
<td>EDSL 624</td>
<td>(3)</td>
<td>Educational Sociolinguistics</td>
</tr>
<tr>
<td>EDSL 627</td>
<td>(3)</td>
<td>Classroom-Centred Second Language Research</td>
</tr>
<tr>
<td>EDSL 629</td>
<td>(3)</td>
<td>Second Language Assessment</td>
</tr>
<tr>
<td>EDSL 651</td>
<td>(3)</td>
<td>Content-Based L2 Learning</td>
</tr>
<tr>
<td>EDEC 606</td>
<td>(3)</td>
<td>Seminar in Curriculum Inquiry</td>
</tr>
<tr>
<td>EDEM 637</td>
<td>(3)</td>
<td>Managing Educational Change</td>
</tr>
<tr>
<td>EDEM 644</td>
<td>(3)</td>
<td>Curriculum Development and Implementation</td>
</tr>
<tr>
<td>EDEM 646</td>
<td>(3)</td>
<td>Planning and Evaluation</td>
</tr>
<tr>
<td>EDEM 660</td>
<td>(3)</td>
<td>Community Relations in Education</td>
</tr>
<tr>
<td>SOCI 512</td>
<td>(3)</td>
<td>Ethnicity &amp; Public Policy</td>
</tr>
<tr>
<td>SOCI 588</td>
<td>(3)</td>
<td>Sociology of Knowledge</td>
</tr>
<tr>
<td>SWRK 602</td>
<td>(3)</td>
<td>Youth Justice in Canada</td>
</tr>
<tr>
<td>SWRK 604</td>
<td>(3)</td>
<td>Critical Issues: Social Policy</td>
</tr>
</tbody>
</table>

**All Streams**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 690</td>
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<td>Research Methods: Philosophy and Practice</td>
</tr>
<tr>
<td>EDIN 601</td>
<td>(9)</td>
<td>Internship 1</td>
</tr>
<tr>
<td>EDIN 602</td>
<td>(10)</td>
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</tr>
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<td>EDPS 600</td>
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<td>Diverse Learners</td>
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</tbody>
</table>

**Required Courses (45 credits)**

<table>
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<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>EDEC 612</td>
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<tr>
<td>EDEC 620</td>
<td>(3)</td>
<td>Meanings of Literacy</td>
</tr>
</tbody>
</table>

18.11.3.19 Master of Arts (M.A.) in Teaching and Learning — English Language Arts Option (60 credits)

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québec Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

**Required Courses (45 credits)**

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<th>Course Code</th>
<th>Credits</th>
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</tr>
</thead>
<tbody>
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</tr>
<tr>
<td>EDIN 601</td>
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</tr>
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<td>EDPS 600</td>
<td>(1)</td>
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<tr>
<td>EDPS 605</td>
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<td>Culminating Professional Seminar</td>
</tr>
<tr>
<td>EDSL 500</td>
<td>(3)</td>
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<td>EDTL 500</td>
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</tr>
<tr>
<td>EDTL 609</td>
<td>(3)</td>
<td>Diverse Learners</td>
</tr>
</tbody>
</table>

**Complementary Courses (15 credits)**

3 credits selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 612</td>
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<td>Media Literacy</td>
</tr>
<tr>
<td>EDEC 620</td>
<td>(3)</td>
<td>Meanings of Literacy</td>
</tr>
</tbody>
</table>

McGill University, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012 (Published September 13, 2011)
6 credits from, chosen in accordance with MELS subject area:

EDTL 629 (3) Applied Methods in Teaching Secondary Eng. Language Arts
EDTL 630 (3) Advanced Applied Methods in Teaching Sec English Lang Arts

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

EDSL 505 (3) Second Language Acquisition Applied to Classroom Contexts
EDSL 512 (3) Grammar in Teaching English as a Second Language
EDSL 515 (3) Étude de la langue française pour enseignants

Students select 6 credits from 500- or 600-level courses related to English Language Arts area and courses from all other streams below:

**English Language Arts**

COMS 639 (3) Interpretive Methods in Media
COMS 649 (3) Audience Analysis
EDEC 610 (3) Literature: Children/Young Adults
EDEC 627 (3) Responding to Texts
EDEC 628 (3) Literacy - Multilingual/Multicultural Settings
ENGL 586 (3) Cultural Studies: Other Media
ENGL 587 (3) Theoretical Approaches to Cultural Studies
ISLA 585 (3) Arab Women's Literature

**All Streams**

EDEC 606 (3) Seminar in Curriculum Inquiry
EDEM 637 (3) Managing Educational Change
EDEM 644 (3) Curriculum Development and Implementation
EDEM 646 (3) Planning and Evaluation
EDEM 660 (3) Community Relations in Education
SOCI 512 (3) Ethnicity & Public Policy
SOCI 588 (3) Sociology of Knowledge
SWRK 602 (3) Youth Justice in Canada
SWRK 604 (3) Critical Issues: Social Policy

**18.11.3.20 Master of Arts (M.A.) in Teaching and Learning — Mathematics Option (60 credits)**

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québec Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

**Required Courses (45 credits)**

EDEM 690 (3) Research Methods: Philosophy and Practice
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDIN 601</td>
<td>Internship 1</td>
</tr>
<tr>
<td>EDIN 602</td>
<td>Internship 2</td>
</tr>
<tr>
<td>EDPS 600</td>
<td>Introductory Professional Seminar</td>
</tr>
<tr>
<td>EDPS 605</td>
<td>Culminating Professional Seminar</td>
</tr>
<tr>
<td>EDSL 500</td>
<td>Foundations and Issues in Second Language Education</td>
</tr>
<tr>
<td>EDTL 500</td>
<td>Applications of Educational Psychology Across Classrooms</td>
</tr>
<tr>
<td>EDTL 506</td>
<td>Philosophy of Education</td>
</tr>
<tr>
<td>EDTL 508</td>
<td>Critical Influences on Educational Praxis</td>
</tr>
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<td>EDTL 601</td>
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</tr>
<tr>
<td>EDTL 604</td>
<td>Techniques for Assessment</td>
</tr>
<tr>
<td>EDTL 609</td>
<td>Diverse Learners</td>
</tr>
</tbody>
</table>

**Complementary Courses (15 credits)**

3 credits selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 612</td>
<td>Media Literacy</td>
</tr>
<tr>
<td>EDEC 620</td>
<td>Meanings of Literacy</td>
</tr>
</tbody>
</table>

6 credits from, chosen in accordance with MELS subject area:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDTL 627</td>
<td>Applied Methods in Teaching Mathematics in Secondary School</td>
</tr>
<tr>
<td>EDTL 628</td>
<td>Advanced Methods in Teaching Mathematics in Sec. School</td>
</tr>
</tbody>
</table>

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 505</td>
<td>Second Language Acquisition Applied to Classroom Contexts</td>
</tr>
<tr>
<td>EDSL 512</td>
<td>Grammar in Teaching English as a Second Language</td>
</tr>
<tr>
<td>EDSL 515</td>
<td>Étude de la langue française pour enseignants</td>
</tr>
</tbody>
</table>

Students select 6 credits from 500- or 600-level courses related to Mathematics subject area and courses from all streams.

**Mathematics**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDES 651</td>
<td>Mathematics Curriculum Issues</td>
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**All Streams**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>EDEC 606</td>
<td>Seminar in Curriculum Inquiry</td>
</tr>
<tr>
<td>EDEM 637</td>
<td>Managing Educational Change</td>
</tr>
<tr>
<td>EDEM 644</td>
<td>Curriculum Development and Implementation</td>
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<td>SOCI 512</td>
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</tbody>
</table>
18.11.3.21 Master of Arts (M.A.) in Teaching and Learning — Social Sciences Option (60 credits)

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québec Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

Required Courses (45 credits)

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<tr>
<th>Course Code</th>
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</thead>
<tbody>
<tr>
<td>EDEM 690</td>
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<td>EDTL 601</td>
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<td>Techniques for Assessment</td>
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<td>EDTL 609</td>
<td>3</td>
<td>Diverse Learners</td>
</tr>
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</table>

Complementary Courses (15 credits)

3 credits selected from:

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<tr>
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<tbody>
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<td>EDEC 612</td>
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</table>

6 credits from chosen in accordance with MELS subject area:

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<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EDTL 633</td>
<td>3</td>
<td>Applied Methods in Teaching Social Science in Sec. School</td>
</tr>
<tr>
<td>EDTL 634</td>
<td>3</td>
<td>Adv Applied Meth in Teaching Social Sciences in Sec. School</td>
</tr>
</tbody>
</table>

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

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<tbody>
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<tr>
<td>EDSL 515</td>
<td>3</td>
<td>Étude de la langue française pour enseignants</td>
</tr>
</tbody>
</table>
Students select 6 credits from 500- or 600-level courses related to social sciences subject area and courses from all streams below.

**Social Sciences**

- ANTH 512 (3) Political Ecology
- POLI 619 (3) Immigrants / Refugees / Minorities
- POLI 643 (3) Politics of Identity
- POLI 650 (3) Seminar in Peacebuilding
- POLI 680 (3) Social Change/Advanced Industrialized Democracies
- SOCI 511 (3) Movements/Collective Action
- SWRK 601 (3) Construction of Subjectivity
- SWRK 612 (3) Knowledge, Values and Practice
- SWRK 664 (3) Multicultural Context Practice

**All Streams**

- EDEC 606 (3) Seminar in Curriculum Inquiry
- EDEM 637 (3) Managing Educational Change
- EDEM 644 (3) Curriculum Development and Implementation
- EDEM 646 (3) Planning and Evaluation
- EDEM 660 (3) Community Relations in Education
- SOCI 512 (3) Ethnicity & Public Policy
- SOCI 588 (3) Sociology of Knowledge
- SWRK 602 (3) Youth Justice in Canada
- SWRK 604 (3) Critical Issues: Social Policy

18.11.3.22 Master of Arts (M.A.) in Teaching and Learning — Science and Technology Option (60 credits)

This M.A. in Teaching and Learning is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of courses, coupled with 15 credits (minimum of 500 hours) of internship. This professional program offers teacher certification to those already holding an undergraduate degree in a Ministère de l'Éducation, du Loisir et du Sport (MELS) identified teachable subject area. Part-time study is available for this program, as it is intended to serve the needs of a broad and diverse student clientele. Throughout the MATL, emphasis will be on the attainment of the Québec Education Program (QEP) professional competencies, and evidence of mastery of these will be demonstrated in order for students to successfully complete the program. Upon completion, students are recommended to the MELS for certification.

**Required Courses (45 credits)**

- EDEM 690 (3) Research Methods: Philosophy and Practice
- EDIN 601 (9) Internship 1
- EDIN 602 (10) Internship 2
- EDPS 600 (1) Introductory Professional Seminar
- EDPS 605 (1) Culminating Professional Seminar
- EDSL 500 (3) Foundations and Issues in Second Language Education
- EDTL 500 (3) Applications of Educational Psychology Across Classrooms
- EDTL 506 (3) Philosophy of Education
- EDTL 508 (3) Critical Influences on Educational Praxis
- EDTL 515 (0) English Exam for Teacher Certification
- EDTL 601 (3) Cross-curricular Teaching Methods
EDTL 604 (3) Techniques for Assessment
EDTL 609 (3) Diverse Learners

**Complementary Courses (15 credits)**

3 credits selected from:

- EDEC 612 (3) Media Literacy
- EDEC 620 (3) Meanings of Literacy

6 credits from, chosen in accordance with MELS subject area:

- EDTL 625 (3) Applied Methods in Teaching Science in Secondary School
- EDTL 626 (3) Advanced Applied Methods in Teaching Science in Sec. School

6 credits selected in consultation with the MATL program adviser.

Note: Students in the Second Language Education subject area and students in all other subject areas who choose to complete 'Teaching in Second Language Contexts' as a second subject area must take EDSL 505 and EDSL 512 or EDSL 515.

- EDSL 505 (3) Second Language Acquisition Applied to Classroom Contexts
- EDSL 512 (3) Grammar in Teaching English as a Second Language
- EDSL 515 (3) Étude de la langue française pour enseignants

Students select 6 credits from 500- or 600-level courses related to Science and Technology area and courses from all streams below:

**Science & Technology**

- EDES 671 (3) Issues in Science Curriculum
- ENVR 519 (3) Global Environmental Politics
- ENVR 620 (3) Environment and Health of Species

**All Streams**

- EDEC 606 (3) Seminar in Curriculum Inquiry
- EDEM 637 (3) Managing Educational Change
- EDEM 644 (3) Curriculum Development and Implementation
- EDEM 646 (3) Planning and Evaluation
- EDEM 660 (3) Community Relations in Education
- SOCI 512 (3) Ethnicity & Public Policy
- SOCI 588 (3) Sociology of Knowledge
- SWRK 602 (3) Youth Justice in Canada
- SWRK 604 (3) Critical Issues: Social Policy

**18.11.23 Doctor of Philosophy (Ph.D.); Educational Studies**

**Thesis**

**Required Courses (8 credits)**
### Proseminar in Education 1
- **EDEC 700** (2) Proseminar in Education 1

### Ph.D. Comprehensive Examination
- **EDEC 701** (0) Ph.D. Comprehensive Examination

### Proseminar in Education 2
- **EDEC 702** (2) Proseminar in Education 2

### Ph.D. Colloquium 1
- **EDEC 703** (2) Ph.D. Colloquium 1

### Ph.D. Colloquium 2
- **EDEC 704** (2) Ph.D. Colloquium 2

**Note:** EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

### Complementary Courses (3 credits)

One of the following courses:

- **EDEC 705** (3) Advanced Research Designs
- **EDEC 706** (3) Textual Approaches to Research
- **EDEC 707** (3) Interpretive Inquiry
- **EDEM 692** (3) Qualitative Research Methods
- **EDSL 630** (3) Qualitative/Ethnographic Methods
- **EDSL 664** (3) Second Language Research Methods

### Elective Courses

0-12 credits

Elective courses required in the student's Ph.D. plan of study will be determined in consultation with the Doctoral Advisory Committee depending on the student's background and research interests.

Students admitted to Ph.D. 2 will normally take up to four elective courses under the advice of their Doctoral Advisory Committee.

Students admitted to Ph.D. 1 without an M.A. may be advised by their Doctoral Advisory Committee to take more than four elective courses depending on their background. If admitted to the program without at least 6 credits of M.A.-level research methods and/or Statistics courses, candidates may be expected to take such courses during their first year of study as advised.

These may be selected from current offerings of research methods courses either within or outside the Department, such as:

- **EDEM 690** (3) Research Methods: Philosophy and Practice
- **EDEM 692** (3) Qualitative Research Methods
- **EDSL 630** (3) Qualitative/Ethnographic Methods
- **EDSL 664** (3) Second Language Research Methods

Students required by their Doctoral Advisory Committee to take graduate courses in statistics will select from a range of courses, such as the following:

- **EDPE 575** (3) Educational Measurement
- **EDPE 676** (3) Intermediate Statistics
- **EDPE 682** (3) Univariate/Multivariate Analysis

### 18.11.324 Doctor of Philosophy (Ph.D.); Educational Studies — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Educational Studies. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the Language Acquisition Program (LAP) committee.

### Thesis

#### Required Courses
Complementary Courses

3 credits of graduate-level statistics from the courses below:

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

EDPE 676 (3) Intermediate Statistics
EDPE 682 (3) Univariate/Multivariate Analysis
PSYC 650 (3) Advanced Statistics 1
PSYC 651 (3) Advanced Statistics 2

6 credits selected from the following list, at least one course must be outside the Department of Integrated Studies in Education:

EDEM 692 (3) Qualitative Research Methods
EDSL 620 (3) Critical Issues in Second Language Education
EDSL 623 (3) Second Language Learning
EDSL 624 (3) Educational Sociolinguistics
EDSL 627 (3) Classroom-Centred Second Language Research
EDSL 629 (3) Second Language Assessment
EDSL 632 (3) Second Language Literacy Development
EDSL 664 (3) Second Language Research Methods
LING 555 (3) Language Acquisition 2
LING 590 (3) Language Acquisition and Breakdown
LING 651 (3) Topics in Acquisition of Phonology
LING 655 (3) Theory of L2 Acquisition
LING 755 (3) Advanced Seminar: Language Acquisition
PSYC 561 (3) Methods: Developmental Psycholinguistics
PSYC 734 (3) Developmental Psychology and Language
PSYC 735 (3) Developmental Psychology and Language
PSYC 736 (3) Developmental Psychology and Language
PSYC 737 (3) Developmental Psychology and Language
SCSD 619 (3) Phonological Development
SCSD 632 (3) Phonological Disorders: Children
SCSD 633 (3) Language Development
SCSD 637 (3) Developmental Language Disorders 1
SCSD 643 (3) Developmental Language Disorders 2
SCSD 652 (3) Advanced Research Seminar 1
SCSD 653 (3) Advanced Research Seminar 2
18.11.3.25 Doctor of Philosophy (Ph.D.); Educational Studies — Gender and Women’s Studies

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 700</td>
<td>2</td>
<td>Proseminar in Education 1</td>
</tr>
<tr>
<td>EDEC 701</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>EDEC 702</td>
<td>2</td>
<td>Proseminar in Education 2</td>
</tr>
<tr>
<td>EDEC 703</td>
<td>2</td>
<td>Ph.D. Colloquium 1</td>
</tr>
<tr>
<td>EDEC 704</td>
<td>2</td>
<td>Ph.D. Colloquium 2</td>
</tr>
<tr>
<td>WMST 601</td>
<td>3</td>
<td>Feminist Theories and Methods</td>
</tr>
<tr>
<td>WMST 602</td>
<td>3</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

Note: EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

Complementary Courses (6 credits)

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 705</td>
<td>3</td>
<td>Advanced Research Designs</td>
</tr>
<tr>
<td>EDEC 706</td>
<td>3</td>
<td>Textual Approaches to Research</td>
</tr>
<tr>
<td>EDEC 707</td>
<td>3</td>
<td>Interpretive Inquiry</td>
</tr>
<tr>
<td>EDEM 692</td>
<td>3</td>
<td>Qualitative Research Methods</td>
</tr>
<tr>
<td>EDSL 630</td>
<td>3</td>
<td>Qualitative/Ethnographic Methods</td>
</tr>
<tr>
<td>EDSL 664</td>
<td>3</td>
<td>Second Language Research Methods</td>
</tr>
</tbody>
</table>

One course, at the 500 level or higher on gender/women's issues, to be chosen from the approved list (available from the McGill Institute for Gender, Sexuality, and Feminist Studies) in consultation with the Doctoral Advisory Committee depending on the student's background and research interests. In some cases, additional courses may be required or recommended by the Doctoral Advisory Committee.

18.11.3.26 Graduate Certificate in Educational Leadership 1 (15 credits)

This 15-credit program addresses the needs of experienced and aspiring school leaders who are taking increased responsibility for the students and communities they serve. The management of schools is increasingly seen as making a major contribution to the learning and personal development of students. The professional development of school leaders, educational reform, and school partnership form the basis for the program.

Course selection to be approved by Graduate Certificate Program Director.

Complementary Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEC 635</td>
<td>3</td>
<td>Advanced Written Communication</td>
</tr>
<tr>
<td>EDEM 610</td>
<td>3</td>
<td>Leadership in Action</td>
</tr>
<tr>
<td>EDEM 628</td>
<td>3</td>
<td>Education Resource Management</td>
</tr>
<tr>
<td>EDEM 635</td>
<td>3</td>
<td>Fiscal Accountability in Education</td>
</tr>
<tr>
<td>EDEM 637</td>
<td>3</td>
<td>Managing Educational Change</td>
</tr>
<tr>
<td>EDEM 644</td>
<td>3</td>
<td>Curriculum Development and Implementation</td>
</tr>
<tr>
<td>EDEM 646</td>
<td>3</td>
<td>Planning and Evaluation</td>
</tr>
</tbody>
</table>

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.
18.11.3.27 Graduate Certificate in Educational Leadership 2 (15 credits)
This 15-credit program explores more deeply leadership theory and educational issues and applications in a practicum. Candidates for the Graduate Certificate in Educational Leadership 2 should normally have completed the first certificate. In combination, the two certificates allow school administrators to acquire the 30 graduate credits in the field of educational leadership required by the Quebec Ministry of Education.

Course selection to be approved by Graduate Certificate Program Director.
No course taken in Certificate 1 can be repeated in Certificate 2.

Complementary Courses (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEM 609</td>
<td>Introduction to Educational Theory and Research</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 660</td>
<td>Community Relations in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 664</td>
<td>Education and the Law</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 671</td>
<td>The Principalship</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 673</td>
<td>Leadership Theory in Education</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 675</td>
<td>Special Topics 1</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 681</td>
<td>Practicum - Administrative Studies</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 693</td>
<td>School Improvement Approaches</td>
<td>3</td>
</tr>
<tr>
<td>EDEM 695</td>
<td>Policy Studies in Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.

18.11.3.28 Graduate Certificate; Teaching English as a Second Language (15 credits)
This 15-credit certificate is designed as professional development for in-service teachers and candidates with a background in education, language studies, linguistics, or a related field, or as preparation for application to our M.A. in Second Language Education. The five courses that comprise the certificate provide a solid background and offer in-depth study in the field of second-language education from a range of perspectives and with a focus on research and applications to teaching. Please note that this certificate does not lead to teacher certification.

The Graduate Certificate in TESL is designed to be available to students worldwide. Courses are offered in a combination of online and face-to-face formats, and sequenced in such a way that students can complete the certificate in one year. The maximum time for completion is five years. The first three courses are offered online, and can be undertaken anywhere an Internet connection is available. The final two courses are offered face-to-face either on-site at McGill or at off-site locations with collaborative partners, if numbers warrant.

Required Courses (15 credits)

Online Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 500</td>
<td>Foundations and Issues in Second Language Education</td>
<td>3</td>
</tr>
<tr>
<td>EDSL 505</td>
<td>Second Language Acquisition Applied to Classroom Contexts</td>
<td>3</td>
</tr>
<tr>
<td>EDSL 512</td>
<td>Grammar in Teaching English as a Second Language</td>
<td>3</td>
</tr>
</tbody>
</table>

On-site at McGill in Intensive (1 month) Institute

Note: Off-site delivery can be considered for a specified minimum number of students. Certain limitations and additional costs would apply.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 601</td>
<td>Methods and Curriculum in Second Language Teaching 1</td>
<td>3</td>
</tr>
<tr>
<td>EDSL 602</td>
<td>Methods and Curriculum in Second Language Teaching 2</td>
<td>3</td>
</tr>
</tbody>
</table>

18.11.4 Kinesiology and Physical Education

18.11.4.1 Location

Department of Kinesiology and Physical Education
18.11.4.2 About Kinesiology and Physical Education

The Department of Kinesiology and Physical Education provides a large variety of research opportunities in a number of areas related to human health and physical activity. In **Exercise Physiology**, research is being conducted on obesity treatment, public health surveillance, and health disparities; biology and physiology of aging skeletal muscle; adaptive plasticity of skeletal muscle in health, disease, and aging; the role of mitochondria in skeletal muscle health, disease, and aging; interventions to protect and/or restore mass and function of aging muscle; biology and physiology of the aging heart; clinical and integrative exercise and cardio-respiratory physiology; COPD research; muscle physiology and biophysics. Other research in **Biomechanics** includes specialization in ergonomics, motor control, fatigue, and musculoskeletal disorders; locomotion and gait research, applied ice hockey research; neurophysiology and rehabilitation. In **Exercise and Health Psychology**, research is presently underway examining the psychosocial determinants of health behaviour, body-related emotions, and physical self; motivation in youth sport and physical activity; school and community-based physical activity promotion; physical education and health development. In **Sports Psychology**, research questions examine determinants of coaching expertise, team building, psychology of athletic injuries (concussions), and hockey violence. Research in **Adapted Physical Activity** examines issues of self-regulation of individuals with movement difficulties, physical activity in persons with attention-deficit hyperactivity disorder (ADHD), play and movement skill proficiency, perceptions and professional skill development of physical education teachers, motor behaviour, and autism.

**section 18.11.4.5: Master of Arts (M.A.); Kinesiology and Physical Education (Thesis) (45 credits) and section 18.11.4.6: Master of Science (M.Sc.); Kinesiology and Physical Education (Thesis) (45 credits)**

The thesis programs in Kinesiology and Physical Education are designed to help students develop research skills and expertise in their selected areas of research. All students must have a physical science background to study in the M.Sc. program and a social-psychological background to study in the M.A. program. Researchers in our program have their own research facilities. These research programs often lead to pursuits in research and teaching careers, or in professional careers in kinesiology. For example, many students pursue careers in fitness/wellness, exercise rehabilitation settings, and sport science settings. Students may become teachers, health club directors, work in cardiac rehabilitation centres, and/or become exercise prescription counsellors.

**section 18.11.4.7: Master of Arts (M.A.); Kinesiology and Physical Education (Non-Thesis) (45 credits) and section 18.11.4.8: Master of Science (M.Sc.); Kinesiology and Physical Education (Non-Thesis) (45 credits)**

The non-thesis programs in Kinesiology and Physical Education are intended to help students develop professional skills related to their careers in kinesiology and physical education who do not have an interest in research. Students will work with a supervisor and will take a number of courses in the academic areas of interest and will also complete a research project in the area of interest.

18.11.4.3 Kinesiology and Physical Education Admission Requirements and Application Procedures

18.11.4.3.1 Admission Requirements

1. An undergraduate degree in Physical and Health Education, Exercise Science, Kinesiology, or its equivalent is required.
2. A minimum academic standing equivalent to a CGPA of 3.0 out of 4.0.

18.11.4.3.2 Application Procedures

McGill’s online application form is available to all graduate program candidates at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply). Applications will be considered upon receipt of:

1. application form;
2. official transcripts from previous undergraduate/graduate programs of study;
3. two letters of reference;
4. $100 application fee;
5. TOEFL score (where applicable).

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. All documentation is to be submitted directly to the Graduate Program Director in the Department of Kinesiology and Physical Education.
18.11.4.4 Kinesiology and Physical Education Faculty

**Chair**
Dr. Theodore E. Milner

**Graduate Program Director**
Dr. René A. Turcotte

**Professors**
Ross E. Andersen; B.Ed., M.A.(McG.), Ph.D.(Temple) *(Canada Research Chair)*
Theodore E. Milner; B.Sc., M.Sc., Ph.D.(Alta.)
Hélène Perrault; B.Sc.(C'dia), M.Sc., Ph.D.(Montr.)
Greg Reid; B.Ed.(P.E.)(McG.), M.S.(Calif.), Ph.D.(Penn. St.)

**Associate Professors**
Gordon Bloom; B.Ed./W. Ont.), M.A.(York), Ph.D.(Ott.)
Julie Côté; B.Sc., M.Sc.(Wisc.-Madison), Ph.D.(Montr.)
Enrique Garcia; B.P.E., I.N.E.F.(Madrid), M.Sc.(Laval), Ph.D.(Alta.)
Russell T. Hepple; B.Sc.(Sask.), M.Sc., Ph.D.(Tor.)
David J. Pearsall; B.A., B.P.H.E., M.Sc., Ph.D.(Qu.)
Dilson Rassier; B.P.E., M.Sc.(Brazil), Ph.D.(Calg.)
Catherine Sabiston; B.Sc.K.(Dal.), M.H.K.(Windsor), Ph.D.(Br. Col.)
Paul James Stapley; B.A.(Leeds), M.Sc.(Northumbria), Ph.D.(Bourgogne)
Tanja Taivassalo; B.Sc., Ph.D.(McG.)
René A. Turcotte; H.B.P.H.E.(Laur.), M.Sc., Ph.D.(Alta.)

**Assistant Professors**
William Harvey; B.Ed, M.A., Ph.D.(McG.)
Dennis Jensen; B.P.E.(Brock), M.Sc., Ph.D.(Qu.)

**Adjunct Professors**
Bernard Aguilaniu; M.D., Ph.D.(Grenoble)
Christian Duval; B.Sc.(UQTR), M.Sc.(UQAM), Ph.D.(McG.)
François Peronnet; M.Sc., Ph.D.(Montr.) *(Emeritus Professor)*

**Associate Member**

18.11.4.5 Master of Arts (M.A.); Kinesiology and Physical Education (Thesis) (45 credits)

**Thesis Courses (24 credits)**
- EDKP 691 (6) Thesis Research 1
- EDKP 692 (6) Thesis Research 2
- EDKP 693 (6) Thesis Research 3
- EDKP 694 (6) Thesis Research 4
### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
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<tbody>
<tr>
<td>EDKP 605</td>
<td>3</td>
<td>Research Methods 1</td>
</tr>
<tr>
<td>EDKP 617</td>
<td>0</td>
<td>Seminar in Kinesiology and Physical Education 1</td>
</tr>
<tr>
<td>EDKP 618</td>
<td>0</td>
<td>Seminar in Kinesiology and Physical Education 2</td>
</tr>
<tr>
<td>EDKP 619</td>
<td>0</td>
<td>Seminar in Kinesiology and Physical Education 3</td>
</tr>
<tr>
<td>EDKP 620</td>
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<td>Seminar in Kinesiology and Physical Education 4</td>
</tr>
<tr>
<td>EDPE 676</td>
<td>3</td>
<td>Intermediate Statistics</td>
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</tbody>
</table>

### Complementary Courses (15 credits)

Students must take a minimum of 9 credits of coursework in a classroom setting in the area of concentration selected in consultation with the Graduate Student Adviser.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDKP 504</td>
<td>3</td>
<td>Health &amp; Lifestyle Education</td>
</tr>
<tr>
<td>EDKP 603</td>
<td>6</td>
<td>Individual Reading Course 1</td>
</tr>
<tr>
<td>EDKP 607</td>
<td>3</td>
<td>Curriculum Innovation and Change</td>
</tr>
<tr>
<td>EDKP 616</td>
<td>3</td>
<td>Individual Reading Course 2</td>
</tr>
<tr>
<td>EDKP 648</td>
<td>3</td>
<td>Physical Activity Psychology</td>
</tr>
<tr>
<td>EDKP 650</td>
<td>3</td>
<td>Research in Physical Education Pedagogy</td>
</tr>
<tr>
<td>EDKP 654</td>
<td>3</td>
<td>Sport Psychology</td>
</tr>
<tr>
<td>EDKP 655</td>
<td>3</td>
<td>Inclusive Physical Activity</td>
</tr>
<tr>
<td>EDKP 664</td>
<td>3</td>
<td>Motor Learning</td>
</tr>
<tr>
<td>EDKP 665</td>
<td>3</td>
<td>Motor Behaviour and Disability</td>
</tr>
<tr>
<td>EDKP 671</td>
<td>3</td>
<td>Experimental Problems</td>
</tr>
<tr>
<td>EDKP 672</td>
<td>6</td>
<td>Experimental Problems</td>
</tr>
<tr>
<td>EDKP 695</td>
<td>3</td>
<td>Thesis Research 5</td>
</tr>
<tr>
<td>EDKP 696</td>
<td>3</td>
<td>Thesis Research 6</td>
</tr>
</tbody>
</table>

Students may also take courses from the Faculty of Education or the Faculty of Arts in consultation with an adviser (500, 600, or 700 level).

### 18.11.4.6 Master of Science (M.Sc.); Kinesiology and Physical Education (Thesis) (45 credits)

Areas: Biomechanics, Exercise Physiology, and Motor Control and Learning

#### Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDKP 691</td>
<td>6</td>
<td>Thesis Research 1</td>
</tr>
<tr>
<td>EDKP 692</td>
<td>6</td>
<td>Thesis Research 2</td>
</tr>
<tr>
<td>EDKP 693</td>
<td>6</td>
<td>Thesis Research 3</td>
</tr>
<tr>
<td>EDKP 694</td>
<td>6</td>
<td>Thesis Research 4</td>
</tr>
</tbody>
</table>

#### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDKP 605</td>
<td>3</td>
<td>Research Methods 1</td>
</tr>
<tr>
<td>EDKP 617</td>
<td>0</td>
<td>Seminar in Kinesiology and Physical Education 1</td>
</tr>
<tr>
<td>EDKP 618</td>
<td>0</td>
<td>Seminar in Kinesiology and Physical Education 2</td>
</tr>
<tr>
<td>EDKP 619</td>
<td>0</td>
<td>Seminar in Kinesiology and Physical Education 3</td>
</tr>
<tr>
<td>EDKP 620</td>
<td>0</td>
<td>Seminar in Kinesiology and Physical Education 4</td>
</tr>
</tbody>
</table>

McGill University, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012 (Published September 13, 2011)
Intermediate Statistics (3) EDPE 676

**Complementary Courses (15 credits)**

Students must take a minimum of 9 credits of coursework in a classroom setting in the area of concentration selected in consultation with the Graduate Student Adviser.

- EDKP 542 (3) Environmental Exercise Physiology
- EDKP 553 (3) Physical Activity Assessments
- EDKP 566 (3) Advanced Biomechanics Theory
- EDKP 603 (6) Individual Reading Course 1
- EDKP 616 (3) Individual Reading Course 2
- EDKP 630 (3) Human Walking Mechanics
- EDKP 635 (3) Modeling Human Movement
- EDKP 640 (3) Advanced Ergonomics
- EDKP 652 (3) Cardio-Respiratory Exercise Physiology
- EDKP 662 (3) Nerve/Muscle Exercise Response
- EDKP 663 (3) Applied Exercise Physiology
- EDKP 664 (3) Motor Learning
- EDKP 665 (3) Motor Behaviour and Disability
- EDKP 667 (3) Sport Science - Seminar
- EDKP 671 (3) Experimental Problems
- EDKP 672 (6) Experimental Problems
- EDKP 695 (3) Thesis Research 5
- EDKP 696 (3) Thesis Research 6

Students may also take courses from the Faculty of Science chosen in consultation with the adviser (500, 600, or 700 level).

**18.11.4.7 Master of Arts (M.A.): Kinesiology and Physical Education (Non-Thesis) (45 credits)**

Areas: Adapted Physical Activity, Pedagogy, and Sport and Exercise Psychology

**Research Project (15 credits)**

- EDKP 608 (15) Special Project

**Required Courses**

- EDKP 617 (0) Seminar in Kinesiology and Physical Education 1
- EDKP 618 (0) Seminar in Kinesiology and Physical Education 2
- EDKP 619 (0) Seminar in Kinesiology and Physical Education 3
- EDKP 620 (0) Seminar in Kinesiology and Physical Education 4

**Complementary Courses (18 credits)**

6 credits, two courses from the following:

Note: Students take either EDSL 630 or EDEM 692.

- EDEM 692 (3) Qualitative Research Methods
- EDKP 605 (3) Research Methods 1
EDPE 575 (3) Educational Measurement  
EDSL 630 (3) Qualitative/Ethnographic Methods  

12 credits selected from the following:  
EDKP 504 (3) Health & Lifestyle Education  
EDKP 603 (6) Individual Reading Course 1  
EDKP 607 (3) Curriculum Innovation and Change  
EDKP 616 (3) Individual Reading Course 2  
EDKP 648 (3) Physical Activity Psychology  
EDKP 650 (3) Research in Physical Education Pedagogy  
EDKP 654 (3) Sport Psychology  
EDKP 655 (3) Inclusive Physical Activity  
EDKP 664 (3) Motor Learning  
EDKP 665 (3) Motor Behaviour and Disability  
EDKP 671 (3) Experimental Problems  
EDKP 672 (6) Experimental Problems  

Students may also take courses from the Faculty of Education or the Faculty of Arts in consultation with an adviser (500, 600, or 700 level).  

**Elective Courses (12 credits)**  
12 credits (normally four courses) chosen in consultation with an adviser (should be 500, 600, or 700 level).  

**18.11.4.8 Master of Science (M.Sc.); Kinesiology and Physical Education (Non-Thesis) (45 credits)**  
Areas: Biomechanics, Exercise Physiology, and Motor Control and Learning  

**Research Project (15 credits)**  
EDKP 608 (15) Special Project  

**Required Courses**  
EDKP 617 (0) Seminar in Kinesiology and Physical Education 1  
EDKP 618 (0) Seminar in Kinesiology and Physical Education 2  
EDKP 619 (0) Seminar in Kinesiology and Physical Education 3  
EDKP 620 (0) Seminar in Kinesiology and Physical Education 4  

**Complementary Courses (18 credits)**  
6 credits, two courses from the following:  
Note: Students may take either EDSL 630 or EDEM 692.  
EDEM 692 (3) Qualitative Research Methods  
EDKP 605 (3) Research Methods 1  
EDPE 575 (3) Educational Measurement  
EDSL 630 (3) Qualitative/Ethnographic Methods  

12 credits chosen from the following:
Students may also take courses from the Faculty of Science in consultation with an adviser.

**Elective Courses (12 credits)**

12 credits (normally four courses) chosen in consultation with an adviser (should be 500, 600, or 700 level).

---

## 19 Faculty of Engineering

### 19.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

*Martin Kreiswirth, Ph.D.*

*Associate Provost (Graduate Education)*

*Dean, Graduate and Postdoctoral Studies*
19.2 Graduate and Postdoctoral Studies

19.2.1 Administrative Officers

**Administrative Officers**

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth</td>
<td>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Heather Durham</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Meyer Nahon</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lisa deMena Travis</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Shari Baum</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Charlotte E. Légaré</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
</tr>
<tr>
<td>Lissa B. Matyas</td>
<td>Director (Recruitment and Retention)</td>
</tr>
</tbody>
</table>

19.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5

Telephone: 514-398-3990  
Fax: 514-398-1626  
Email: servicepoint@mcgill.ca  
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

19.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

19.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

19.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

**Agricultural and Environmental Sciences**

- section 14.11.1: Agricultural Economics
- section 14.11.2: Animal Science
- section 14.11.3: Bioresource Engineering
- section 14.11.4: Dietetics and Human Nutrition
- section 14.11.5: Food Science and Agricultural Chemistry
- section 14.11.6: Natural Resource Sciences
- section 14.11.7: Parasitology
Agricultural and Environmental Sciences

section 14.11.8: Plant Science

Arts

section 15.11.1: Anthropology
section 15.11.2: Art History

Classics, see section 15.11.12: History and Classical Studies
section 15.11.4: Communication Studies
section 15.11.5: East Asian Studies
section 15.11.6: Economics
section 15.11.7: English
section 15.11.8: French Language and Literature
section 15.11.9: Geography
section 15.11.10: German Studies
section 15.11.11: Hispanic Studies
section 15.11.12: History and Classical Studies
section 15.11.13: Institute for the Study of International Development
section 15.11.14: Islamic Studies
section 15.11.15: Italian Studies
section 15.11.16: Jewish Studies
section 15.11.17: Linguistics
section 15.11.18: Mathematics and Statistics
section 15.11.19: Philosophy
section 15.11.20: Political Science
section 15.11.21: Psychology
section 15.11.23: Russian and Slavic Studies
section 15.11.24: Social Studies of Medicine
section 15.11.25: Social Work
section 15.11.26: Sociology

Dentistry

section 16.11.1: Dentistry

Desautels Faculty of Management

section 17.11: Desautels Faculty of Management

Education

section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering

section 19.11.1: Architecture
Engineering

section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law

section 20.11.1: Law

McGill School of Environment

section 21.11.1: Environment

Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 23.11.1: Nursing
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research

Religious Studies

section 25.11.1: Religious Studies

Schulich School of Music

section 26.11.1: Schulich School of Music

Science

section 27.11.1: Atmospheric and Oceanic Sciences
section 27.11.2: Biology
19.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

- Clinical Research (Experimental Medicine) Primary Care Nurse Practitioner
- Epidemiology and Biostatistics Professional Performance
- Islamic Studies Public Accountancy (C.A.)
- Library and Information Studies Registered Dietician Credentialing (R.D.)
- Mining Engineering School and Applied Child Psychology (post-Ph.D.)
- Nursing Surgical Health Care Research

These diploma programs consist of at least two terms of full-time study or the equivalent.

**Graduate Certificates are offered in:**

- Assessing Driving Capabilities Educational Leadership 2
- Air and Space Law Library and Information Studies
- Bioresource Engineering (IWRM) Post-M.B.A.
- Biotechnology Teaching English as a Second Language
- Comparative Law Theory in Primary Care
- Educational Leadership 1 Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

19.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master’s degrees are offered (see below for more information about sub-specializations):**

<table>
<thead>
<tr>
<th>Master's Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</td>
<td>See Management.</td>
</tr>
</tbody>
</table>
The following master’s degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
</tbody>
</table>

Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture Degrees</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>M.Arch. programs offered:</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Master of Arts Degrees</th>
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</thead>
<tbody>
<tr>
<td>Programs leading to the degree of Master of Arts are offered in the following areas:</td>
<td></td>
</tr>
<tr>
<td>Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology</td>
<td></td>
</tr>
<tr>
<td>Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)</td>
<td></td>
</tr>
<tr>
<td>Classics (Thesis and Non-Thesis)</td>
<td></td>
</tr>
<tr>
<td>Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies</td>
<td></td>
</tr>
<tr>
<td>Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)</td>
<td></td>
</tr>
<tr>
<td>Education (Thesis and Non-Thesis)</td>
<td></td>
</tr>
<tr>
<td>English (Thesis and Non-Thesis)</td>
<td></td>
</tr>
<tr>
<td>French (Thesis and Non-Thesis); option in Gender and Women's Studies</td>
<td></td>
</tr>
<tr>
<td>Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics</td>
<td></td>
</tr>
<tr>
<td>German Studies (Thesis and Non-Thesis)</td>
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<tr>
<td>Hispanic Studies (Thesis and Non-Thesis)</td>
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<tr>
<td>Islamic Studies; option in Gender and Women's Studies</td>
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</tr>
<tr>
<td>Italian Studies (Thesis and Non-Thesis)</td>
<td></td>
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<tr>
<td>Jewish Studies (Thesis and Non-Thesis)</td>
<td></td>
</tr>
<tr>
<td>Kinesiology and Physical Education (Thesis and Non-Thesis)</td>
<td></td>
</tr>
<tr>
<td>Linguistics (Non-Thesis)</td>
<td></td>
</tr>
</tbody>
</table>
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

**Master of Business Administration Degrees**

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D., C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

**Master's Degrees in Education**


The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

**Master's Degree in Engineering**

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.
Master's Degrees in Law

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
Master of Science, Applied, Degrees

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering: options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

Master of Social Work Degrees

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.

Master of Urban Planning Degree

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

19.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

The following doctoral degrees are offered (see below for more information about sub-specializations): Prerequisites:

- Doctor of Civil Law (D.C.L.)
  - B.C.L. or LL.B. and usually LL.M. See Law.
### Prerequisites:

The following doctoral degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

### Doctor of Civil Law Degrees

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

### Doctor of Music Degrees

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

### Doctor of Philosophy Degrees

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
- Electrical Engineering
- English
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics
- Food Science and Agricultural Chemistry
- French; option in Gender and Women's Studies
- Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
- German
- Hispanic Studies
- History
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Information Studies
- Islamic Studies; option in Gender and Women's Studies
- Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)
Management (McGill/Concordia/H.E.C./UQAM)
Social Work (McGill/Université de Montréal)

19.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

19.5 Program Requirements

19.5.1 Master's Degrees

Residence Requirements – Master’s Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a minimum residence requirement of four full-time terms: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.
These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

**Coursework – Master's Degrees**

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at [www.mcgill.ca/study](http://www.mcgill.ca/study). The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

**Research and Thesis – Master's Degrees**

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at [www.mcgill.ca/gps/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

**Language Requirements – Master's Degrees**

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

### 19.5.2 Doctoral Degrees

**Residence Requirements – Doctoral**

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

**Note:** The master's degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

**Comprehensive Examinations – Doctoral**

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

**Language Requirements – Doctoral**

 McGILL UNIVERSITY, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012 519
(Published September 13, 2011)
Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary. All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

**Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor, and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

**Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

**19.5.3 Ad Hoc Programs**

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

**19.5.4 Ad Personam Programs (Thesis Option only)**

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

**19.5.5 Coursework for Graduate Programs, Diplomas, and Certificates**

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for requirement for the program (must obtain B- or better) or if the course is extra to the program (will be counted). All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.
**19.6 General Admission for Graduate Studies**

**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

**Deadline:** Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

**19.6.1 Application for Admission**

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to, transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

**19.6.2 Admission Requirements (minimum requirements to be considered for admission)**

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

**19.6.3 Admission Tests**

**Graduate Record Examination (GRE)**

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.
Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

19.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
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<tr>
<th>Competency in English</th>
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<tr>
<td>iBT (Internet-based test)</td>
<td>PBT (paper-based test)</td>
<td>CBT (computer-based test)*</td>
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<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
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N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

19.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted. In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

19.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.
19.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

19.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

19.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

19.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


19.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

19.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)
Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-unit/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW’s) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

19.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

19.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

19.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status

   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration

   i. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions

   i. Appointments may not exceed your registration eligibility status.

   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at
5. Responsibilities

- to provide mentorship for career development;
- to clarify expectations regarding intellectual property rights in accordance with the University;
- to provide feedback on research submitted by the Postdocs;
- to meet regularly with their Postdocs;
- to provide research guidance;
- to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;

v. Some examples of responsibilities of the supervisor are:

- to include Postdocs in departmental career and placement opportunities;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
- to oversee the registration and appointment of Postdocs;
- to verify the Postdoc’s eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include Postdocs in departmental career and placement opportunities;
- to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:
   – to verify the Postdoc’s eligibility period for registration;
   – to provide Postdocs with departmental policy and procedures that pertain to them;
   – to oversee the registration and appointment of Postdocs;
   – to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
   – to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
   – to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
   – to include Postdocs in departmental career and placement opportunities;
   – to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
   – to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
   – to provide research guidance;
   – to meet regularly with their Postdocs;
   – to provide feedback on research submitted by the Postdocs;
   – to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
   – to provide mentorship for career development;

www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf. This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:
– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:
– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

19.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

19.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

19.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).
2. Program

1. Assignment of Advisers, Supervisors, and Committees

Informing themselves of these policies and procedures.

Units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

19.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

19.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.
v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year’s research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student’s departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student’s supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

19.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.cagps/staffforms.
The following is a summary of the main elements of the new **mandatory** policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

_Senate, September 2003_

**19.9.3 Vacation Policy for Graduate Students and Postdocs**

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

_Council of FGSR April 23, 1999_

**19.9.4 Ph.D. Comprehensives Policy**

_Preamble_

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. **General Policy**

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

_Specific Issues_

**Objectives and Content**
Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

Format

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

Timing

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

Assessment, Grading and Reporting

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive (or on one question) results in an overall failure.

Feedback

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student’s performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

Plagiarism

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srrhonest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

Failures

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of IH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.
Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

Charter of Student Rights
Graduate Studies Reread Policy
Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

19.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.
The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Approved by the Committee on Graduate Programs, Supervision and Teaching
Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

19.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's "Parental Leave Policy" for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

_Council of FGSR, March 1999_

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from [www.mcgill.ca/gps/staff/registration](http://www.mcgill.ca/gps/staff/registration);
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain a least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

19.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

19.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.
Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Policy on Research Ethics


Regulations on Research Policy


Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

Guidelines for Research Involving Human Subjects


Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

Policy on Intellectual Property


Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

Office of Sponsored Research


Postdocs

Please see www.mcgill.ca/gps/postdocs.

Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.
19.11.1 Architecture

19.11.1.1 Location

School of Architecture
Macdonald-Harrington Building
815 Sherbrooke Street West
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-6700
Fax: 514-398-7372
Website: www.mcgill.ca/architecture

19.11.1.2 About Architecture

M.Arch. (Professional) (Non-Thesis), M.Arch. (Post-professional) (Non-Thesis), Ph.D.

The School of Architecture at McGill University offers a professional Master of Architecture program, a post-professional Master of Architecture program, and a Ph.D. program. The M.Arch. (Professional) requires the equivalency of the B.Sc. (Architecture) degree for admittance. There are two options for the completion of this CACB-accredited degree: Design Studio (45 credits) and Design Studio Directed Research (60 credits). The M.Arch. (Post-professional) and the Ph.D. programs are for study beyond the professional degree in architecture. These programs have been conceived to respond to the needs of graduates with some professional experience who wish to acquire more specialized knowledge in architecture. The M.Arch. (Post-professional) program reflects a McGill tradition of academic inquiry and research, and provides an opportunity for a select number of students and staff to work together. The program is organized in such a way as to meet the needs of the professional practitioner and the researcher, and is intended to extend traditional architectural education as well as address new issues.

The M.Arch. (Professional) program is accredited by the Canadian Architectural Certification Board (CACB), and is recognized as accredited by the National Council of Architectural Registration Boards (NCARB) in the U.S.

There are three areas of study in the M.Arch. (Post-professional) and Ph.D. programs: Architectural History and Theory, Cultural Mediations and Technology, and Urban Design and Housing.

Information concerning the duration of programs, documents required of applicants, etc., may be obtained from:

profdegree.architecture@mcgill.ca (for the B.Sc. (Arch.) and M.Arch. (Professional)), postprofmaster.architecture@mcgill.ca (for the M.Arch. (Post-professional)), or phd.architecture@mcgill.ca (for the Ph.D.).

Architectural Certification in Canada

In Canada, all provincial associations recommend a degree from an accredited professional degree program as a prerequisite for licensure. The Canadian Architectural Certification Board (CACB), which is the sole agency authorized to accredit Canadian professional degree programs in architecture, recognizes two types of accredited degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a five-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards.

Master’s degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

Since all provincial associations in Canada recommend any applicant for licensure to have graduated from a CACB-accredited program, obtaining such a degree is an essential aspect of preparing for the professional practice for architecture. While graduation from a CACB-accredited program does not assure registration, the accrediting process is intended to verify that each accredited program substantially meets those standards that, as a whole, comprise an appropriate education for an architect.

Please note that the M.Arch. (Post-professional) degree is not a professional degree and does not satisfy the requirements for certification with the CACB.

Professional Programs

There are two options for the completion of this CACB accredited degree: Design Studio (45 credits) and Design Studio Directed Research (60 credits).

section 19.11.1.5: Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio (45 credits)

The Master of Architecture (Professional) Non-Thesis – Design Studio concentration requires a minimum of three terms (45 credits) for completion according to an intensive design studio-based curriculum. This option is a three-term consecutive degree (Fall, Winter, Summer) requiring full-time residence for one calendar year. For further information regarding admission eligibility and requirements, please see:

section 19.11.1.6: Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio-Directed Research (60 credits)

The Master of Architecture (Professional) Non-Thesis – Design Studio Directed Research concentration is a four-term (60-credit) option, which, as a modified version of the regular three-term (45-credit) stream, remains a project-based investigation with an intensive research component. Candidates within this concentration option are assigned a faculty adviser and engage in project-based directed research through an approved curriculum. It concludes with a two-term final project that includes a written component to the project-based investigation. Areas of research interest must be specified as indicated.
Post-Professional Programs

The Post-professional master’s programs are open to applicants who have a professional degree in architecture. Students holding the McGill B.Arch. (former) or M.Arch. (Professional) (current) degree, or an equivalent professional qualification, with a CGPA of at least 3.0 on a 4.0 point scale, are eligible for admission to the post-professional programs. In special cases, applicants with a degree in a related field may be considered. The primary requirement for the M.Arch. (Post-professional) degree is 30 credits of coursework, to be completed in the first two terms, and a 15-credit research report (Cultural Mediations and Technology, Urban Design and Housing) or 15-credit project (Architectural History and Theory) that is completed in the Summer term. The residence requirement for the M.Arch. (Post-professional) degree is three academic terms, making it possible for students to obtain their degree after 12 calendar months in the program.

section 19.11.1.6: Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio-Directed Research (60 credits)

in the application form. Complementary and elective courses are approved in consultation with the adviser. For further information regarding admission eligibility and requirements, please see: www.mcgill.ca/architecture/programs/professional.

section 19.11.1.7: Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Architectural History and Theory (45 credits)

Teaching and research in the History and Theory of Architecture program concentrates on the exploration and understanding of the complex connections between history, theory, design, and interdisciplinary concerns, particularly in the areas of philosophy and epistemology. This option is concerned with the reconciliation of ethics and poetics in architectural practice. The master’s curriculum, which in most cases is also a required foundation year for a Ph.D. in the field, is simple in terms of course requirements, but demanding in terms of personal commitment to reading and writing. It is particularly suited to students with a professional background in architecture who want to explore and understand the complex connections between history, theory, and design. A thorough understanding of architecture as a cultural phenomenon, leading to a more serious definition of its true essence as it appears in history, is now regarded as crucial by practitioners and teachers who wish to come to terms with the present predicaments of architecture vis-à-vis the contradictions of the contemporary world.

section 19.11.1.8: Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Cultural Mediations and Technology (45 credits)

The Cultural Mediations and Technology concentration explores the way in which architectural practices are mediated by the broader contexts in which they are rooted and how they in turn shape our understanding of built, cultural, social, technological, and political environments. Studies focus on contemporary theory and cultural practices in an interdisciplinary context of architectural, artistic, vernacular, and community-based activities. Candidates study the meaning of – and the way in which – architectural practices are mediated by the broader contexts in which they are rooted, along with the way they in turn mediate our understanding of the built, cultural, social, technological, and political environments. This concentration also investigates the impact of technology on our way of creating architectural models that subsequently shape and form the world. It capitalizes on the expertise of the architect-researcher to move freely between art and science, between content-based and empirical research, and to facilitate robust interdisciplinary teams of engineers, technologists, media artists, and social scientists to understand, explain, and create today’s built environment. It is suited for those with a professional trajectory interested in understanding the impact of technologies on creative processes, as well as for those candidates who aim to pursue Ph.D. level studies and research. The concentration offers a unique intertwining of intense theoretical and historical investigation with empirically based project research that culminates in a Project Report.

section 19.11.1.9: Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Urban Design and Housing (45 credits)

Urban Design and Housing at McGill is comprised of Urban Design, Affordable Homes, and Minimum Cost Housing. Urban Design emphasizes the acquisition of skills pertaining to the analysis and design of the built environment, whether in existing urban districts or in newly built areas. Our Urban Design component has a strong commitment to reflexive practice, to conducting research that can inform and improve design quality, to involving those who are affected by city design decisions, and to promoting a long-range perspective on the consequences of actions that shape the urban environment. The Housing component is comprised, historically, of two streams: Affordable Homes and Minimum Cost Housing. Affordable Homes focuses on the knowledge and design skills necessary to understand the relationship between the architect and the external forces that influence the production of affordable housing in North America. Minimum Cost Housing addresses problems and devises philosophies of shelter in developing countries. The general aim is to provide professionals with the knowledge and imagination that they will need to engage individuals and the community in meaningful debates on the nature of housing and urban space and generate creative and sustainable solutions for cities. This option is particularly attractive to students who wish to pursue careers in public agencies and private consulting firms where a credential in Urban Design is important.

Ph.D. in Architecture

section 19.11.1.10: Doctor of Philosophy (Ph.D.); Architecture

Our Ph.D. is a research-based degree, with a primary requirement of an original thesis that makes a substantial contribution to knowledge in the field of architecture. The minimum residence requirement is three years. Every year only a few students are accepted into the Ph.D. program, which means that all incoming Ph.D. candidates compete for a place as Ph.D. 2 students. The most qualified students enter into their first research seminar in September.

Doctoral candidates must have their thesis proposal approved by their adviser (ARCH 700) before embarking on their research. A Thesis Advisory Committee is then struck and is responsible for monitoring the student’s research. For course number ARCH 701, a comprehensive research proposal is required, as well as a demonstration of broad knowledge in the field. Candidates will submit two further reports in formal meetings with the Advisory Committee, who will review the work in progress (ARCH 702 and ARCH 703). The final meeting takes place after the committee has reviewed the full draft of the dissertation. If approved, the dissertation will then be submitted in its final form to the Thesis Office. Acceptance of the thesis by the examiners is followed by an oral defence.
19.11.1.3 Architecture Admission Requirements and Application Procedures

19.11.1.3.1 Admission Requirements

M.Arch. (Professional) Program (Non-Thesis)
Applicants holding the McGill B.Sc.(Arch.) degree, or equivalent, with a cumulative grade point average of at least 3.0 on a scale of 4.0, are eligible to apply for admission.

M.Arch. (Post-professional) (Non-Thesis)
Applicants holding an accredited professional degree in architecture, or equivalent, with a cumulative grade point average of at least 3.0 on a scale of 4.0, are eligible to apply for admission. In special cases, candidates with a degree in a related field may be considered.

Ph.D.
Candidates with high standing in McGill’s M.Arch. (Post-professional), or who hold an equivalent degree from another university, are eligible to apply to this program. Those who do not have an appropriate background in the chosen research area may be recommended for the M.Arch. (Post-professional) program. Candidates who have an adequate background at the post-professional master’s level in the proposed area of research will be admitted to Ph.D. 2 with the stipulation of additional courses from the M.Arch. (Post-professional) curriculum, if necessary.

A working knowledge of a language or languages relevant to the area of research is required.

19.11.1.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Note: We do not consider any applications to be admitted for the Summer term.

Professional Master of Architecture:

McGill B.Sc.(Arch.) Graduates:

2. A non-refundable application fee of CAD$100.
3. Summary of work experience (please use the following): Work experience form [.pdf]*.
   Note: Your employer's signature is required along with the company business card. We do NOT require the Director's signature.
4. Résumé or CV.
5. A two-page (maximum) research statement indicating the general area of interest (e.g., History/Theory/Culture; Digital Technologies; Urban Design and Housing; Environmental Practices), your understanding of this area of study, faculty expertise, and research intention in terms of topic and project-based investigation. Specific references to expertise within the School are encouraged.
6. An indication of preference for either the Design Studio Concentration (three-term, 45-credit) or the Design Studio Directed Research Concentration (four-term, 60-credit).
7. A comprehensive portfolio (8½" x 11" format, due no later than February 1) that includes the following:
   • selected work from all previous design studios (please complete using one of the following): Studio Project Description Form [.pdf]* or Studio Project Description Form [.doc]*;
   • examples of project work from other courses;
   • examples of freehand drawing and sketching (from the Freehand Drawing courses, Sketching School, Summer courses, and independent travel and study);
   • examples of professional work: sketches, drawings, images of models, photographs of built work (professional work includes work carried out while employed in architects’ offices, as well as personal projects; please identify the architect(s) and your own roles in each project illustrated).

Others:

2. A non-refundable application fee of CAD$100.
3. Summary of work experience (please use the following): Work experience form [.pdf]*.
   Note: Your employer's signature is required along with the company business card. We do NOT require the Director's signature.
4. Résumé or CV.
5. A two-page (maximum) research statement indicating the general area of interest (e.g., History/Theory/Culture; Digital Technologies; Urban Design and Housing; Environmental Practices), your understanding of this area of study, faculty expertise, and research intention in terms of topic and project-based investigation. Specific references to expertise within the School are encouraged.
6. An indication of preference for either the Design Studio Concentration (three-term, 45-credit) or the Design Studio Directed Research Concentration (four-term, 60-credit).

7. Two sets of official transcripts sent directly by the registrars of all universities attended.

8. Two confidential letters of reference sent directly by the referees to the School of Architecture (please use one of the following): Confidential Report on Applicant Form [.pdf]* or Renseignements confidentiels sur le candidat [.pdf]*.

   Or (electronic option):

   Letters may be sent electronically (via email) and will be accepted if sent by University Career Centres, Electronic Portfolio Management Companies, and other document storage services. Letters sent electronically must meet the following conditions:

   • The email communicating the electronic letter must be sent from a valid institutional or corporate email address (domain). Electronic letters sent from public domain addresses such as Hotmail, Gmail, Yahoo Mail, or Videotron, etc., cannot be accepted.
   • The electronic letters must be specific as to which program the student has applied to, and include information that would aid an admissions committee in making an informed decision.
   • Letters of reference (electronic and hard copy) must be dated and must not be more than 12 months old.
   • The referee must indicate his/her position and full contact information at the institution.
   • Electronic letters sent from a Career Centre or Portfolio Management Company must state that the letters are confidential.


9. Course calendar descriptions of previous college and/or university studies.

10. Completed Program Comparison Chart*.

11. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. For the TOEFL, a minimum score of 550 is required on the paper-based test (PBT), or a minimum overall score of 86 with each component score (i.e., reading, writing, speaking, listening) not less than 20 is required on the Internet-based test (iBT). (The TOEFL Institution Code for McGill University is 0935.) For the IELTS, a minimum overall band score of 6.5 is required. Please refer to the graduate admission website: www.mcgill.ca/gradapplicants/apply/prepare/requirements/english.

12. A comprehensive portfolio (8½" x 11" format, due no later than January 15) that includes the following:

   • selected work from all previous design studios (please complete using one of the following): Studio Project Description Form [.pdf]* or Studio Project Description Form [.doc]*
   • examples of project work from other courses;
   • examples of freehand drawing and sketching;
   • examples of professional work: sketches, drawings, images of models, photographs of built work (professional work includes work carried out while employed in architects’ offices, as well as personal projects; please identify the architect(s) and your own roles in each project illustrated).

Please mail all support documents to:

M.Arch. (Professional) Program
School of Architecture
McGill University
Macdonald-Harrington Building
815 Sherbrooke Street West, Room 202
Montreal, QC H3A 2K6

* These documents are available in PDF or DOC format on the School of Architecture website.

Post-professional programs:

M.Arch. (Post-professional) and Ph.D.

1. Please complete and submit an online web application at www.mcgill.ca/gradapplicants/apply (due January 15).

2. A non-refundable application fee of CAD$100, payable by credit card only after completing the online application.

3. Two (2) sets of official transcripts must be sent directly to the School of Architecture by the registrars of all universities previously attended. Transcripts must be received in a sealed envelope with the seal or stamp of the university across the back flap. Transcripts in languages other than English or French must be accompanied by an English or French translation provided by the institution issuing the transcript or by a certified translator.

4. Two (2) confidential letters of reference must be sent directly by the referees to the School of Architecture. Please use our report forms (Confidential Report on Applicant [.pdf]* or Renseignements confidentiels sur le candidat [.pdf]*). Any additional letters must be on university or company/business stationery (both letter and envelope). All reports and letters must be received in a sealed envelope with the signature of the referee across the back flap.

   Or (electronic option):
Letters may be sent electronically via email (Post-professional M.Arch. or Ph.D.) and will be accepted if sent by university Career Centres, Electronic Portfolio Management Companies, and other document storage services. Letters sent electronically must meet the following conditions:

- The email communicating the electronic letter must be sent from a valid institutional or corporate email address (domain). Electronic letters sent from public domain addresses such as Hotmail, Gmail, Yahoo Mail or Videotron, etc., cannot be accepted.
- The electronic letters must be specific as to which program the student has applied to, and include information that would aid an admissions committee in making an informed decision.
- Letters of reference (electronic and hard copy) must be dated and must not be more than 12 months old.
- The referee must indicate his/her position and full contact information at the institution.
- Electronic letters sent from a Career Centre or Portfolio Management Company must state that the letters are confidential.


5. Master’s applicants must submit a one-page statement of objectives indicating the option chosen and the reasons for that choice. Applicants should include a clear description of their research topic, as well as a detailed explanation of why they wish to study at McGill University’s School of Architecture.

Ph.D. applicants must submit a clear, four-page description of their research topic, as well as a detailed explanation of why they wish to study at McGill University’s School of Architecture. Ideally, the statement should also name the potential adviser and articulate the relationship between the proposed dissertation research and the scholarship of the faculty member.

6. A portfolio (8½” x 11” format) containing at least five examples of the applicant’s work. Doctoral applicants may submit evidence of research interests when a portfolio is not available.

7. At least one example of a report or paper (e.g., published work, article, or essay) written by the applicant.

8. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. For the TOEFL, a minimum score of 550 is required on the paper-based test (PBT), or a minimum overall score of 86 with each component score (i.e., reading, writing, speaking, listening) not less than 20 is required on the Internet-based test (iBT). For the IELTS, a minimum overall band score of 6.5 is required. Please refer to the Graduate admission website: [www.mcgill.ca/gradapplicants/apply/prepare/requirements/english](http://www.mcgill.ca/gradapplicants/apply/prepare/requirements/english).

*This document is available in PDF format on the School of Architecture website.*
**Associate Professors**


Robert Mellin; B.Arch., M.Sc.(Arch.)(Penn.), M.Arch.(McG.), M.Sc., Ph.D.(Penn.), F.R.A.I.C., N.A.A.

Pieter Sijpkes; B.Sc.(Arch.), B.Arch.(McG.)

**Assistant Professors**

Nik Luka; B.A.A.(Ryerson), M.Arch.(Laval), Ph.D.(Tor.), M.C.I.P.

Aaron Sprecher; B.Arch.(Bezalel), M.Arch.(Calif.-LA)

**Planetary Society Visiting Professor in Architecture**

Torben Berns; B.Arch.(Car.), M.Arch., Ph.D.(McG.)

**Adjunct Professors**

Robert Claiborne, Howard Davies, François Emond, Julia Gersovitz, Phyllis Lambert, Maria Mingallon, Joanna Nash, Mark Poddubiuk, Conor Sampson, Jozef Zorko

**Course Lecturers**

Tom Balaban, Sinisha Brdar, Christina Contandriopoulos, Nancy Dunton, Leila Marie Farah, Matt Fisher, Ron Jelaco, Maria Elisa Navarro Morales, Suresh Perera, Sevag Pogharian, Pierina Saia

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**19.11.1.5 Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio (45 credits)**

This concentration requires a minimum of three terms (45 credits) for completion according to an intensive design studio-based curriculum. This option is a three-term consecutive degree (Fall, Winter, Summer) that requires full-time residence for one academic year.

**Required Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ARCH 550</td>
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<td>Urban Planning and Development</td>
</tr>
<tr>
<td>ARCH 672</td>
<td>(6)</td>
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</tr>
<tr>
<td>ARCH 673</td>
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<td>Architectural Design 2</td>
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<tr>
<td>ARCH 674</td>
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<td>ARCH 677</td>
<td>(6)</td>
<td>Architectural Design 3</td>
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<td>ARCH 678</td>
<td>(3)</td>
<td>Advanced Construction</td>
</tr>
<tr>
<td>ARCH 680</td>
<td>(3)</td>
<td>Field Sketching</td>
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</table>

**Complementary Courses**

9-15 credits selected as follows:

- **Group A:**
  6 credits of advanced-level seminars must be chosen from Group A.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ARCH 525</td>
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<td>ARCH 531</td>
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<td>Architectural Intentions Vitruvius - Renaissance</td>
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<td>ARCH 532</td>
<td>(3)</td>
<td>Origins of Modern Architecture</td>
</tr>
<tr>
<td>ARCH 626</td>
<td>(4)</td>
<td>Critical Design Strategies</td>
</tr>
<tr>
<td>ARCH 684</td>
<td>(4)</td>
<td>Contemporary Theory 1</td>
</tr>
<tr>
<td>ARCH 685</td>
<td>(4)</td>
<td>Contemporary Theory 2</td>
</tr>
</tbody>
</table>

- **Group B:**
3 credits chosen from Group B.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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<tr>
<td>ARCH 512</td>
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<td>Architectural Modelling</td>
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<tr>
<td>ARCH 514</td>
<td>(4)</td>
<td>Community Design Workshop</td>
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<td>ARCH 515</td>
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<td>Sustainable Design</td>
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<td>ARCH 520</td>
<td>(3)</td>
<td>Montreal: Urban Morphology</td>
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<td>ARCH 521</td>
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<td>Structure of Cities</td>
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<td>ARCH 522</td>
<td>(3)</td>
<td>History of Domestic Architecture in Quebec</td>
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<td>ARCH 523</td>
<td>(3)</td>
<td>Significant Texts and Buildings</td>
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<td>ARCH 526</td>
<td>(3)</td>
<td>Philosophy of Structure</td>
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<td>ARCH 527</td>
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<td>ARCH 528</td>
<td>(3)</td>
<td>History of Housing</td>
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<td>ARCH 529</td>
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<td>Housing Theory</td>
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<td>ARCH 533</td>
<td>(3)</td>
<td>New Approaches to Architectural History</td>
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<td>ARCH 534</td>
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<td>Architectural Archives</td>
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<tr>
<td>ARCH 540</td>
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<td>ARCH 541</td>
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<td>ARCH 679</td>
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<td>Writing in Architecture</td>
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<td>(4)</td>
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</tr>
<tr>
<td>ARCH 685</td>
<td>(4)</td>
<td>Contemporary Theory 2</td>
</tr>
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</table>

Note: Courses taken are to be used to fulfil one group only.

**Elective Courses**

0-6 credits

A maximum of 6 credits may be completed outside the School of Architecture (500- or 600-level electives).

### 19.11.1.6 Master of Architecture (M.Arch.); Professional (Non-Thesis) — Design Studio-Directed Research (60 credits)

The Directed Research concentration is a four-term, 60-credit option, which is a modified version of the regular three-term 45-credit program. This is a self-directed project-based investigation which allows for a transition to a Ph.D. program through an intensive research component.

Candidates within this concentration option are assigned a faculty adviser and engage in project-based directed research. Complementary and elective courses are approved in consultation with the adviser.

**Required Courses (40 credits)**

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<thead>
<tr>
<th>Course Code</th>
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<td>(6)</td>
<td>Architectural Design 1</td>
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<tr>
<td>ARCH 673</td>
<td>(6)</td>
<td>Architectural Design 2</td>
</tr>
<tr>
<td>ARCH 674</td>
<td>(3)</td>
<td>Professional Practice 1</td>
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<tr>
<td>ARCH 678</td>
<td>(3)</td>
<td>Advanced Construction</td>
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<td>ARCH 682</td>
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</tr>
<tr>
<td>ARCH 683</td>
<td>(9)</td>
<td>Directed Research Project 2</td>
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</table>
**Complementary Courses**

(12-20 credits)

Group A:

6 credits chosen from the following courses:

<table>
<thead>
<tr>
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<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 525</td>
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<td>ARCH 532</td>
<td>3</td>
<td>Origins of Modern Architecture</td>
</tr>
<tr>
<td>ARCH 561</td>
<td>3</td>
<td>Affordable Housing Seminar 1</td>
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<tr>
<td>ARCH 562</td>
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<tr>
<td>ARCH 602</td>
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<td>Urban Design Seminar 1</td>
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<tr>
<td>ARCH 604</td>
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<td>Urban Design Seminar 2</td>
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<tr>
<td>ARCH 684</td>
<td>4</td>
<td>Contemporary Theory 1</td>
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<tr>
<td>ARCH 685</td>
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</table>

Group B:

6 credits chosen from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Course Title</th>
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<tr>
<td>ARCH 512</td>
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<td>ARCH 514</td>
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<td>Community Design Workshop</td>
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<td>ARCH 515</td>
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<td>ARCH 517</td>
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<td>Sustainable Residential Development</td>
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<td>Montreal: Urban Morphology</td>
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<tr>
<td>ARCH 521</td>
<td>3</td>
<td>Structure of Cities</td>
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<tr>
<td>ARCH 522</td>
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<td>History of Domestic Architecture in Quebec</td>
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<td>Significant Texts and Buildings</td>
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<tr>
<td>ARCH 525</td>
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<td>Seminar on Analysis and Theory</td>
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<tr>
<td>ARCH 526</td>
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<td>ARCH 527</td>
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<td>Civic Design</td>
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<tr>
<td>ARCH 528</td>
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<td>History of Housing</td>
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<td>ARCH 529</td>
<td>3</td>
<td>Housing Theory</td>
</tr>
<tr>
<td>ARCH 531</td>
<td>3</td>
<td>Architectural Intentions Vitruvius - Renaissance</td>
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<td>ARCH 532</td>
<td>3</td>
<td>Origins of Modern Architecture</td>
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<tr>
<td>ARCH 533</td>
<td>3</td>
<td>New Approaches to Architectural History</td>
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<td>ARCH 534</td>
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<td>ARCH 536</td>
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<td>ARCH 540</td>
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<td>ARCH 541</td>
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<td>ARCH 555</td>
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<td>Environmental Acoustics</td>
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<td>ARCH 561</td>
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<td>ARCH 562</td>
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<td>Affordable Housing Seminar 2</td>
</tr>
<tr>
<td>ARCH 564</td>
<td>3</td>
<td>Design for Development</td>
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</table>
ARCH 566 (3) Cultural Landscapes Seminar
ARCH 602 (4) Urban Design Seminar 1
ARCH 604 (4) Urban Design Seminar 2
ARCH 622 (3) Critical Writing
ARCH 627 (4) Research Methods for Architects
ARCH 679 (3) Writing in Architecture
ARCH 680 (3) Field Sketching
ARCH 684 (4) Contemporary Theory 1
ARCH 685 (4) Contemporary Theory 2
ARCH 688 (3) Directed Research 1
ARCH 689 (3) Directed Research 2

Note: Courses taken are to be used to fulfill one group only.

Unless otherwise indicated, the above courses are restricted to students in the professional area.

Elective Courses
(0-8 credits)
A maximum of 8 credits may be completed outside the School of Architecture (500- or 600-level electives) with the approval of an assigned faculty adviser.

19.11.1.7 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Architectural History and Theory (45 credits)
The program consists of three semesters of coursework to be completed in 12 months. Intensive weekly seminars held during the first two terms focus on architectural history and theory. ARCH 623 (Project Preparation), taken during the second semester, culminates in a project. The studio themes engage urban issues critically, raising questions of program, form, and representation. A final document includes the project plus three papers.

Research Project (15 credits)
ARCH 624 (15) History and Theory Project

Required Courses (30 credits)
ARCH 622 (3) Critical Writing
ARCH 623 (3) Project Preparation
ARCH 650 (8) Architectural History Seminar 1
ARCH 651 (8) Architectural History Seminar 2
ARCH 652 (4) Architectural Theory Seminar 1
ARCH 653 (4) Architectural Theory Seminar 2

19.11.1.8 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Cultural Mediations and Technology (45 credits)
Drawing on methods in philosophy, media studies, cultural landscapes, vernacular architecture studies, and material culture, students in this option study the ways in which we conceptualize and realize the built world. How are architectural practices mediated by their broader contexts?
The program consists of three semesters of coursework, to be completed in 12 months. Intensive weekly seminars held during the first two terms focus on contemporary theory and research methods. ARCH 647 Cultural Mediations and Technology Studio is taken in tandem with ARCH 623 Project Preparation during the Winter term, culminating in the Research Report (ARCH 629).

Research Report (15 credits)
ARCH 629 (15) Cultural Mediations and Technology Research Report

Required Courses (21 credits)
ARCH 623 (3) Project Preparation
ARCH 627  (4)  Research Methods for Architects
ARCH 647  (6)  Cultural Mediations and Technology Studio
ARCH 684  (4)  Contemporary Theory 1
ARCH 685  (4)  Contemporary Theory 2

**Complementary Courses (9 credits)**

9 credits of courses at the 500 level or higher, approved by an adviser.

**19.11.19 Master of Architecture (M.Arch.); Post-professional (Non-Thesis) — Urban Design and Housing (45 credits)**

The program consists of three semesters of coursework, to be completed in 12 months. Intensive weekly seminars held during the first two terms focus on urban design and housing theory and research methods. ARCH 603 Urban Design Studio is taken in tandem with ARCH 623 Project Preparation during the winter term, culminating in the Urban Design and Housing Research Report (ARCH 632).

**Research Report (15 credits)**

ARCH 632  (15)  Urban Design and Housing Research Report

**Required Courses (21 credits)**

ARCH 602  (4)  Urban Design Seminar 1
ARCH 603  (6)  Urban Design Studio
ARCH 604  (4)  Urban Design Seminar 2
ARCH 623  (3)  Project Preparation
ARCH 627  (4)  Research Methods for Architects

**Complementary Courses (9 credits)**

ARCH 515  (3)  Sustainable Design
ARCH 517  (3)  Sustainable Residential Development
ARCH 520  (3)  Montreal: Urban Morphology
ARCH 521  (3)  Structure of Cities
ARCH 523  (3)  Significant Texts and Buildings
ARCH 526  (3)  Philosophy of Structure
ARCH 527  (3)  Civic Design
ARCH 528  (3)  History of Housing
ARCH 529  (3)  Housing Theory
ARCH 531  (3)  Architectural Intentions Vitruvius - Renaissance
ARCH 532  (3)  Origins of Modern Architecture
ARCH 533  (3)  New Approaches to Architectural History
ARCH 535  (3)  History of Architecture in Canada
ARCH 536  (3)  Heritage Conservation
ARCH 540  (3)  Selected Topics in Architecture 1
ARCH 541  (3)  Selected Topics in Architecture 2
ARCH 550  (3)  Urban Planning and Development
ARCH 561  (3)  Affordable Housing Seminar 1
ARCH 562  (3)  Affordable Housing Seminar 2
ARCH 564  (3)  Design for Development
ARCH 566 (3) Cultural Landscapes Seminar
ARCH 622 (3) Critical Writing
ARCH 680 (3) Field Sketching
URBP 501 (2) Principles and Practice 1
URBP 504 (3) Planning for Active Transportation
URBP 505 (3) Geographic Information Systems
URBP 506 (3) Environmental Policy and Planning
URBP 530 (3) Urban Environmental Planning
URBP 536 (1) Transportation Seminar 1
URBP 537 (1) Transportation Seminar 2
URBP 538 (1) Transportation Seminar 3
URBP 616 (3) Selected Topics 1
URBP 617 (3) Selected Topics 2
URBP 618 (3) Selected Topics 3
URBP 619 (3) Land Use and Transportation Planning
URBP 620 (3) Transportation Economics
URBP 621 (3) Theories of Urban Form
URBP 625 (2) Principles and Practice 2
URBP 626 (2) Principles and Practice 3
URBP 629 (3) Cities in a Globalizing World

19.11.10 Doctor of Philosophy (Ph.D.); Architecture

Thesis

Required Courses
ARCH 700 (0) Dissertation Proposal
ARCH 701 (0) Comprehensive Oral Examination
ARCH 702 (0) Progress Report 1
ARCH 703 (0) Progress Report 2

19.11.2 Chemical Engineering

19.11.2.1 Location
Department of Chemical Engineering
M.H. Wong Building
3610 University Street
Montreal, QC H3A 2B2
Canada
Telephone: 514-398-4494
Fax: 514-398-6678
Email: info.chemeng@mcgill.ca
Website: www.mcgill.ca/chemeng

19.11.2.2 About Chemical Engineering
The Department offers programs leading to the Master of Engineering and the Doctor of Philosophy degrees.
The Department’s offices and research laboratories are located in the M.H. Wong Building. Collectively, 17 members of the academic staff conduct research programs in almost all areas of modern chemical engineering, drawing upon theoretical, computational, and experimental methodologies. The Department’s faculty have been well supported by government programs (e.g., NSERC, FQRNT, CIHR, CFI, and CRC) and industry through research partnerships and contracts. Our laboratories are equipped with state-of-the-art equipment, and we attract outstanding graduate students from all over the world. Our main current research areas are briefly described below.

**Advanced materials and polymers** – The Department has an internationally recognized research program in structural, functional, and biological materials, spanning synthesis, characterization, processing, modeling activities, with strong links to academic, government, and industrial research centres. Areas include plasma processing (e.g. nanofluids, carbon nanotubes, advanced coatings) and polymeric or “soft” materials research (e.g. self-assembling or structured materials, complex fluids, liquid crystals, colloids and soft composites and novel polymerization methods). Applications of the research are targeted towards the development of next-generation, high-density storage media, functional coatings, electronic devices, composite fluids and “smart” materials, to name but a few.

**Biomedical engineering and biotechnology** – The majority of the professors in the department have at least some involvement with biological engineering. This is a very broad research area that includes biotechnology and biomedical engineering. Biotechnology is an integrated approach of combining life sciences (e.g. biochemistry and cell biology) with process engineering, design, and scale-up principles. This is the use of biological systems or living organisms to do practical things and manufacture valuable products such as biohydrogen, drugs, therapeutics, polymers, and surfactants. Biomedical engineering combines the principles of engineering with medicine as well as life sciences and biology. Examples of this include drug delivery methods, biomedical devices, cardiovascular and other biomechanics, biomaterials for applications such as artificial implants, and products such as bacteriophages for alternative treatment techniques.

**Energy** – Energy usage has increased significantly since the steam engine launched the Industrial Revolution. This is due to our ever-growing human population, increased production of consumer goods, and rising use of energy-intensive devices such as automobiles, cell phones, computers, and climate comfort units. Instability in oil production and the inevitable depletion of fossil fuels is forcing scientists to find new resources and develop new technologies to keep pace with escalating energy demands. The Chemical Engineering Department at McGill University has an extensive research effort related to energy including hydrogen production from microbial conversion of waste streams and electrolysis of water, hydrogen storage and molecular modeling of hydrogen storage, hydrogen fuel cells, and solid oxide fuel cells. Methane recovery, storage, and transportation using gas hydrates, and oil and gas flow assurance, as well as plasma technology to produce nanomaterials for energy conversion/storage devices.

**Environmental engineering** – Environmental engineering is the application of science and engineering principles to protect the environment and remediate contaminated sites. Chemical and environmental engineers develop and design processes to provide healthy air, water, and soil. They also develop green products and sustainable processes. Using their background in process engineering, environmental chemistry, earth sciences, and biology, engineers have to meet the current and future challenges in protecting, managing, and restoring the environment. Ongoing research in the area of environmental engineering in our department includes the study of wastewater treatment processes, biodgradation of emerging pollutants, advanced oxidation processes, transport and fate of waterborne contaminants, production of alternative fuels, environmental nanotechnology for remediation of contaminated soils and waters, green chemistry for safer products and processes, and development of biosensors for pollutant detection.

**Plasma science and engineering** – Plasma is often called the fourth state of matter, being the result of raising a gas to such an energy level that it contains conducting particles such as electrons and ions. While most of the universe is in a plasma state, plasmas on earth are relatively uncommon. Plasma science and engineering research examines the use of the plasma state to produce physical and chemical changes to matter (bulk and surfaces). Plasmas may be in non-equilibrium, a state in which the overall gas is at low temperature and only the electrons are very energetic, or in the equilibrium state, where the temperature of all constituents is essentially equal and may range from thousands to tens of thousands of Kelvins (e.g., the sun’s surface is in a plasma state, at a temperature of about 6,000K). Non-equilibrium plasmas are used in such applications as the deposition of coatings and functionalization of surfaces, the treatment of cells, and the treatment of harmful gases and liquids. Thermal plasmas are used in the synthesis of advanced materials such as nanoparticles, carbon nanotubes, and coatings, as well as in the treatment of toxic and persistent wastes and metallurgical processing. Both thermal and non-thermal plasmas are currently used and studied in the McGill Plasma Laboratory, which forms one of the founding groups of the Plasma-Québec Centre.

**section 19.11.2.5: Master of Engineering (M.Eng.); Chemical Engineering (Thesis) (45 credits)**

The M.Eng. in Chemical Engineering (Thesis) is a research-oriented degree that allows the candidates to refine their skills by expanding their knowledge of chemical engineering through coursework and a research thesis under the supervision of a Faculty member (professor). The M.Eng (Thesis) program offers advanced training in not only fundamentals but also research methods and is, therefore, the more suitable option for those whose primary interest is research. Graduates of this degree either pursue a Ph.D. or work in industry.

**section 19.11.2.6: Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) (45 credits)**

The M.Eng. in Chemical Engineering (Non-Thesis) is a course-oriented degree, which includes a short project completed under the supervision of a Faculty member (professor). Through that program, graduate students can advance their knowledge in various chemical engineering disciplines through coursework and technical training.

**section 19.11.2.7: Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) — Environmental Engineering (45 credits)**

The M.Eng. in Chemical Engineering (Non-Thesis) – Environmental Engineering is a specialized version of the M.Eng in Chemical Engineering (Non-Thesis). This inter-departmental graduate program leads to a master’s degree in Environmental Engineering. The objective of the program is to train environmental professionals at an advanced level. The program is designed for individuals with an undergraduate degree in engineering. This Non-Thesis degree falls within the M.Eng. and M.Sc. programs which are offered in the Departments of Bioresource, Chemical, Civil, and Mining, Metals and Materials Engineering. The Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspective and awareness of environmental issues. It is a course-oriented degree, which includes prescribed courses related to environmental engineering and a short project completed under the supervision of a Faculty member (professor). Graduate students can specialize in environmental engineering through this program offered in collaboration with the McGill School of Environment.
section 19.11.2.8: Doctor of Philosophy (Ph.D.); Chemical Engineering

The Ph.D. is a research degree requiring few courses and an extensive thesis, conducted under the supervision of a Faculty member (professor), that makes a distinct contribution to knowledge. The Ph.D. program prepares candidates for a career in teaching, research and/or development and graduates are expected to have acquired autonomy in conducting research. McGill also offers various workshops that provide general, transitional, and professional skills development opportunities, preparing the candidates for the various career options following the Ph.D.

19.11.2.3 Chemical Engineering Admission Requirements and Application Procedures

19.11.2.3.1 Admission Requirements

Admission to graduate study requires a minimum CGPA of 3.0/4.0 (or equivalent) for the complete bachelor's program or a minimum GPA of 3.2/4.0 (or equivalent) in the last two years of full-time studies. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must achieve a minimum TOEFL score of 90 on the Internet-based test with each component score not less than 20 (577 on the paper-based test) prior to admission.

M.Eng. (Thesis), M.Eng. (Non-Thesis)
Admission requires a bachelor's degree (or equivalent) in engineering or science disciplines.

Ph.D.
Admission requires a master's degree (or equivalent) from a recognized university. Students in the Department's M.Eng. (Thesis) program may petition to transfer to the Ph.D. program after one year without submitting the master’s thesis following a formal “fast-track” procedure. At their request, applicants (without a master's degree) with exceptionally high Academic Standing and outstanding research potential will be considered for direct admission to the Ph.D. program.

19.11.2.3.2 Application Procedure

The application procedure is outlined at [www.mcgill.ca/chemeng/grad/application](http://www.mcgill.ca/chemeng/grad/application). Full applications will be considered when the Graduate Admissions Committee has received:

2. two official transcripts;
3. two letters of reference;
4. application fee of CAD$100;
5. TOEFL test results (if required).

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. Dates for guaranteed consideration differ for International and Canadian (and Permanent Resident) students, to allow time to obtain a visa.

19.11.2.4 Chemical Engineering Faculty

Chair
D. Berk

Emeritus Professors
J.M. Dealy; B.S.(Kansas), M.S.E., Ph.D.(Mich.), Eng.
M.R. Kamal; B.S.(Ill.), M.S., Ph.D.(Carn. Mell), Eng.
J.H. Vera; B.Mat.(Chile), Ing.Quim.(U.T.E.), M.S.(Calif.), Dr.Ing.(Santa Maria), Eng.

Professor
A.D. Rey; B.Ch.E.(CCNY), Ph.D.(Calif.) (James McGill Professor)

Associate Professors
D. Berk; B.Sc.(Bosphorus), M.E.Sc.(W. Ont.), Ph.D.(Calg.), P.Eng.
S. Coulombe; B.Sc., M.Sc.A.(Sher.), Ph.D.(McG.), Jr. Eng. (CRC-Tier II)
R.J. Hill; B.E.(Auck.), Ph.D.(C'nell) (CRC-Tier II)
R.L. Leask; B.A.Sc., M.A.Sc.(Wat.), Ph.D.(Tor.), P.Eng. (William Dawson Scholar)
**Associate Professors**

M. Maric; B.Eng.Mgt.(McM.), Ph.D.(Minn.), P.Eng.
S. Omanovic; B.Sc., Ph.D.(Zagreb)
T.M. Quinn; B.Sc.(Qu.), S.M., Ph.D.(MIT), Jr. Eng. (CRC-Tier I)
P. Servio; B.A.Sc., Ph.D.(Br. Col.) (CRC-Tier II)
N. Tufenkji; B.Eng.(McG.), M.Sc., Ph.D.(Yale), Jr. Eng. (CRC-Tier II)
V. Yargeau; B.Ch.E., M.Sc.A., Ph.D.(Sher.), Eng.

**Assistant Professors**

P.-L. Girard-Lauriault; B.Sc.(Montr.), Ph.D.(École Poly., Montr.)
J. Gostick; B.Eng.(Ryerson), M.A.Sc., Ph.D.(Wat.)
E. Jones; B.A.Sc.(Wat.), M.S., Ph.D.(Cal. Tech.) Jr. Eng. (CRC-Tier II)
A. Kietzig; Dipl.Ing.(TU Berlin), Ph.D.(Br. Col.)

**Paprican Adjunct Professor**

G.J. Kubes; B.Sc., M.Sc.(Prague), Ph.D.(Bratislava), P.Eng.

**Adjunct Professors**


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**19.11.2.5 Master of Engineering (M.Eng.); Chemical Engineering (Thesis) (45 credits)**

**Thesis Courses (31 credits)**

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<th>Credits</th>
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<td>CHEE 699</td>
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**Required Courses (2 credits)**

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<td>CHEE 682</td>
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<td>Laboratory Safety 2</td>
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**Complementary Courses (12 credits)**

3-4 credits of Chemical Engineering courses at the 500, 600, or 700 level.

4 credits from the following:

<table>
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<th>Credits</th>
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<td>CHEE 621</td>
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<td>Thermodynamics</td>
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<td>CHEE 631</td>
<td>4</td>
<td>Foundations of Fluid Mechanics</td>
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<td>Chemical Reaction Engineering</td>
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<td>CHEE 651</td>
<td>4</td>
<td>Advanced Biochemical Engineering</td>
</tr>
<tr>
<td>CHEE 662</td>
<td>4</td>
<td>Computational Methods</td>
</tr>
<tr>
<td>CHEE 672</td>
<td>4</td>
<td>Process Dynamics and Control</td>
</tr>
</tbody>
</table>

4-5 credits of Chemical Engineering or other Engineering or Science courses at the 500, 600, or 700 level.
19.11.2.6 Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) (45 credits)

Research Project
Project (design or research): 6 - 12 credits.
6 credits must include the following course:
CHEE 695 (6) Project in Chemical Engineering

Complementary Courses
33-39 credits (a minimum of 18 credits in Chemical Engineering) at the 500, 600, or 700 level.
9 credits must be in an area of concentration
12 additional courses at the 500, 600, or 700 level.

19.11.2.7 Master of Engineering (M.Eng.); Chemical Engineering (Non-Thesis) — Environmental Engineering (45 credits)

Research Project (6 credits)
CHEE 695 (6) Project in Chemical Engineering

Required Courses (6 credits)
CHEE 591 (3) Environmental Bioremediation
CIVE 615 (3) Environmental Engineering Seminar

Complementary Courses (22 credits)
Minimum of 22 credits

Data analysis course: (3 credits)
AEMA 611 (3) Experimental Designs 1
CIVE 555 (3) Environmental Data Analysis
PSYC 650 (3) Advanced Statistics 1

Toxicology: (3 credits)
OCCH 612 (3) Principles of Toxicology
OCCH 616 (3) Occupational Hygiene

Water pollution engineering: (4 credits)
CIVE 651 (4) Theory: Water / Wastewater Treatment
CIVE 652 (4) Biological Treatment: Wastewaters
CIVE 660 (4) Chemical and Physical Treatment of Waters

Air pollution engineering: (3 credits)
CHEE 592 (3) Industrial Air Pollution Control
MECH 534 (3) Air Pollution Engineering
Soil and water quality management: (3 credits)

- BREE 533 (3) Water Quality Management
- CIVE 686 (4) Site Remediation

Environmental impact: (3 credits)

- GEOG 501 (3) Modelling Environmental Systems
- GEOG 551 (3) Environmental Decisions

or an approved 500-, 600-, or 700-level alternative

Environmental policy: (3 credits)

- URBP 506 (3) Environmental Policy and Planning

or an approved 500-, 600-, or 700-level alternative

Elective Courses (11 credits)

- CHEE 696 (6) Extended Project

or another Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval.

19.11.2.8 Doctor of Philosophy (Ph.D.); Chemical Engineering

Thesis

Required Courses

- CHEE 681 (1) Laboratory Safety 1
- CHEE 682 (1) Laboratory Safety 2
- CHEE 795 (0) Ph.D. Thesis Proposal
- CHEE 796 (0) Ph.D. Proposal Defence
- CHEE 797 (0) Ph.D. Seminar

Complementary Courses

(6-12 credits)

6-8 credits of Chemical Engineering courses (two courses) at the 500, 600, or 700 level.

12 credits (three courses) from the following list must be taken during the M.Eng. and/or Ph.D. program:

- CHEE 611 (4) Heat and Mass Transfer
- CHEE 621 (4) Thermodynamics
- CHEE 631 (4) Foundations of Fluid Mechanics
- CHEE 641 (4) Chemical Reaction Engineering
- CHEE 651 (4) Advanced Biochemical Engineering
- CHEE 662 (4) Computational Methods
- CHEE 672 (4) Process Dynamics and Control

* Note: 8 credits from the list, if taken during the Ph.D. program, can be used to meet the first coursework requirement of 6-8 credits of Chemical Engineering courses.
19.11.3 Civil Engineering and Applied Mechanics

19.11.3.1 Location

Department of Civil Engineering and Applied Mechanics  
Macdonald Engineering Building  
817 Sherbrooke Street West  
Montreal, QC H3A 2K6  
Canada

Telephone: 514-398-6858  
Fax: 514-398-7361  
Email: gradinfo.civil@mcgill.ca  
Website: www.mcgill.ca/civil

19.11.3.2 About Civil Engineering and Applied Mechanics

Advanced courses of instruction and laboratory facilities are available for engineering graduate students desiring to proceed to the degrees of M.Eng., M.Sc. and Ph.D.

Graduate studies and research are at present being conducted in the fields of structures and structural mechanics, infrastructure rehabilitation, risk engineering, fluid mechanics and hydraulics, materials engineering, soil behaviour, soil mechanics and foundations, water resources engineering, environmental engineering, and transportation engineering.

M.Eng. in Civil Engineering

The master's degree can be pursued as a research degree (thesis) or as a coursework-based degree (project). The thesis degree is for those who wish to undertake research while the project degree is for those who wish to have a broader and more specialized training in civil engineering.

section 19.11.3.5: Master of Engineering (M.Eng.); Civil Engineering (Thesis) (45 credits)

Students obtain a deeper understanding of their area of specialty through courses selected with their supervisor. A two- to three-semester independent research project is undertaken in the field of structures and structural mechanics, infrastructure rehabilitation, risk engineering, fluid mechanics and hydraulics, materials engineering, soil behaviour, soil mechanics and foundations, water resources engineering, environmental engineering, or transportation engineering.

section 19.11.3.6: Master of Science (M.Sc.); Civil Engineering (Thesis) (45 credits)

Candidates with a bachelor's degree in a discipline other than Engineering, such as Science or Arts, may be accepted into a M.Sc. program in the Department. Such students would typically study in the fluid mechanics, water resources, or environmental engineering areas, and would follow the Thesis option program.

section 19.11.3.7: Master of Engineering (M.Eng.); Civil Engineering (Non-Thesis) (45 credits)

This is primarily a coursework degree with a small independent project.

section 19.11.3.8: Master of Engineering (M.Eng.); Civil Engineering (Non-Thesis) — Environmental Engineering (45 credits)

This program is offered to students with a university undergraduate degree in engineering who desire graduate education in the environmental engineering field. This non-thesis option is within the context of the existing M.Eng. (Project option) programs currently offered in the Departments of Bioresource Engineering (Agricultural and Environmental Sciences), Chemical Engineering, Civil Engineering, and Mining, Metals, and Materials Engineering. This program emphasizes interdisciplinary fundamental knowledge courses, practical applications in diverse environmental contexts, and functional skills needed for solving environmental problems through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University. Candidates must possess a bachelor's degree in engineering. The Environmental Engineering Option is administered by the Faculty of Engineering. Further information may be obtained from the Program Coordinator, Department of Civil Engineering and Applied Mechanics.

section 19.11.3.9: Doctor of Philosophy (Ph.D.); Civil Engineering

Research can be conducted in the fields of structures and structural mechanics, infrastructure rehabilitation, risk engineering, fluid mechanics and hydraulics, materials engineering, soil behaviour, soil mechanics and foundations, water resources engineering, environmental engineering, and transportation engineering.
19.11.3.3 Civil Engineering and Applied Mechanics Admission Requirements and Application Procedures

19.11.3.3.1 Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply and are detailed in the General Information section. The minimum academic standard for admission is a cumulative grade point average (CGPA) of 3.0/4.0.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or franco), must write the iBT Test of English as a Foreign Language (TOEFL) and achieve an overall or total score of not less than 92 with each component score (i.e., Writing, Reading, Speaking, Listening) not less than 20. The test is administered by the Educational Testing Service and is available throughout the world. The results reach McGill approximately eight weeks after the test is taken. It is the student's responsibility to make the necessary arrangements with the examining board to write the test in the country of residence. Full information about the test and a registration form may be obtained by writing to: Test of English as a Foreign Language, Box 6191, Princeton, New Jersey 08540-6151, USA (www.ets.org/toefl).

19.11.3.3.2 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. two official transcripts;
3. two confidential letters of reference;
4. $100 application fee;
5. test results (TOEFL).

Applicants are requested to address their completed forms for admission to the Chair of the Graduate Studies Admissions Committee, Department of Civil Engineering and Applied Mechanics.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

19.11.3.4 Civil Engineering and Applied Mechanics Faculty

Chair
V.T.V. Nguyen

Chair of Graduate Program
S. Gaskin

Emeritus Professors
S.B. Savage; B.Eng.(McC.), M.S.Eng.(Cal. Tech.), Ph.D.(McG.), F.R.S.C.

Professors
V.H. Chu; B.S.Eng.(Taiwan), M.A.Sc.(Tor.), Ph.D.(MIT), Eng.
D. Mitchell; B.A.Sc., M.A.Sc., Ph.D.(Tor.), F.A.C.I., Eng.
J. Nicell; B.A.Sc., M.A.Sc., Ph.D.(Windsor), P.Eng.
S.C. Shrivastava; B.Sc.(Eng.)(Vikram), M.C.E.(Del.), Sc.D.(Del.)

Associate Professors
S.J. Gaskin; B.Sc.(Eng.)(Qu.), Ph.D.(Cant.), Eng.
Associate Professors
R. Gehr; B.Sc.(Eng.)(Witw.), M.A.Sc., Ph.D.(Tor.), P.Eng.
S. Ghoshal; B.C.E.(India), M.S.(Missouri), Ph.D.(Carn. Mell), P.Eng.
M.A. Meguid; B.Sc.(Cairo), M.Sc., Ph.D.(W. Ont.), P.Eng
C. Rogers; B.A.Sc., M.A.Sc.(Wat.), Ph.D.(Syd.), P.Eng.
Y. Shao; B.Sc., M.S.(Tongji), Ph.D.(N'western), P.Eng.

Assistant Professors
N. Eluru; B.Sc.(Indian IT), M.Sc. Ph.D.(Texas-Austin)
D. Frigon; B.Sc., M.Sc. (McG.), Ph.D.(Ill.-Urbana-Champaign)
M. Hatzopoulou; B.Sc., M.Sc.(Beirut), Ph.D.(Tor.)
D. Lignos; B.Sc.(Nat. Tech., Athens), M.Sc., Ph.D.(Stan.)
L. Miranda-Moreno; B.Sc., M.Eng.(Mexico), Ph.D.(Wat.)

Adjunct Professors

19.11.3.5 Master of Engineering (M.Eng.); Civil Engineering (Thesis) (45 credits)

Thesis Courses (27 credits)
CIVE 630 (3) Thesis Research 1
CIVE 631 (3) Thesis Research 2
CIVE 632 (3) Thesis Research 3
CIVE 633 (6) Thesis Research 4
CIVE 634 (6) Thesis Research 5
CIVE 635 (6) Thesis Research 6

Required Course
1 credit:
CIVE 662 (1) Masters Research Seminar

Complementary Courses (17 credits)
(minimum 17 credits)
A minimum of five courses at the 500 or 600 level, with at least 8 credits at the 600 level.

19.11.3.6 Master of Science (M.Sc.); Civil Engineering (Thesis) (45 credits)

Thesis Courses (27 credits)
CIVE 630 (3) Thesis Research 1
CIVE 631 (3) Thesis Research 2
CIVE 632 (3) Thesis Research 3
CIVE 633 (6) Thesis Research 4
Required Course
1 credit:
CIVE 662 (1) Masters Research Seminar

Complementary Courses (17 credits)
A minimum of five courses at the 500 or 600 level, with at least 8 credits at the 600 level.

19.11.3.7 Master of Engineering (M.Eng.); Civil Engineering (Non-Thesis) (45 credits)

Research Project
(5-15 credits)
Credit for the project may vary between 5 and 15 credits, depending on the amount of work involved. Project courses are chosen from the following:

CIVE 691 (1) Research Project 1
CIVE 692 (2) Research Project 2
CIVE 693 (3) Research Project 3
CIVE 694 (4) Research Project 4
CIVE 695 (5) Research Project 5
CIVE 696 (6) Research Project 6
CIVE 697 (7) Research Project 7

Complementary Courses
(30-40 credits)
A minimum of 30 credits at the 500 or 600 level, with at least 8 credits at the 600 level.

19.11.3.8 Master of Engineering (M.Eng.): Civil Engineering (Non-Thesis) — Environmental Engineering (45 credits)
The program consists of a minimum of 45 credits, of which, depending on the student's home department, a minimum of 5 and a maximum of 15 may be allotted to the research project. The balance of 30 to 40 credits is earned by coursework. The Department also allows students to complete the program using a minimum of 45 credits of coursework only.

The Environmental Engineering option is administered by the Faculty of Engineering. Further information may be obtained from the Program Coordinator, Department of Civil Engineering and Applied Mechanics.

Research Project
(0 or 5-15 credits)
The program may include a project or, with Departmental approval, may be completed with courses only.

Required Courses (6 credits)
CHEE 591 (3) Environmental Bioremediation
CIVE 615 (3) Environmental Engineering Seminar

Complementary Courses
(24-39 credits)
a minimum of 22 credits chosen from the following:

Data analysis:
<table>
<thead>
<tr>
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<th>Credits</th>
<th>Course Title</th>
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</thead>
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<tr>
<td>AEMA 611</td>
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<td>Experimental Designs 1</td>
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<tr>
<td>CIVE 555</td>
<td>(3)</td>
<td>Environmental Data Analysis</td>
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<tr>
<td>PSYC 650</td>
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**Toxicology:**

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<th>Course Title</th>
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<tr>
<td>OCCH 505</td>
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</tr>
<tr>
<td>OCCH 612</td>
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<td>Principles of Toxicology</td>
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**Water pollution engineering:**

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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>CIVE 651</td>
<td>(4)</td>
<td>Theory: Water / Wastewater Treatment</td>
</tr>
<tr>
<td>CIVE 652</td>
<td>(4)</td>
<td>Biological Treatment: Wastewaters</td>
</tr>
<tr>
<td>CIVE 660</td>
<td>(4)</td>
<td>Chemical and Physical Treatment of Waters</td>
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</table>

**Air pollution engineering:**

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<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MECH 534</td>
<td>(3)</td>
<td>Air Pollution Engineering</td>
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</table>

**Soil and water quality management:**

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<tr>
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<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BREE 533</td>
<td>(3)</td>
<td>Water Quality Management</td>
</tr>
<tr>
<td>CIVE 686</td>
<td>(4)</td>
<td>Site Remediation</td>
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**Environmental impact:**

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<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 501</td>
<td>(3)</td>
<td>Modelling Environmental Systems</td>
</tr>
<tr>
<td>GEOG 551</td>
<td>(3)</td>
<td>Environmental Decisions</td>
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</table>

**Environmental policy**

<table>
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<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>URBP 506</td>
<td>(3)</td>
<td>Environmental Policy and Planning</td>
</tr>
</tbody>
</table>

**Elective Courses**

Also, 0-15 credits of graduate courses from an approved list of courses from the Faculties of Engineering, Agricultural and Environmental Sciences, Law, Management; Departments of Atmospheric and Oceanic Sciences, Biology, Chemistry, Earth and Planetary Sciences, Economics, Epidemiology and Biostatistics, Geography, Occupational Health, Political Science, Religious Studies, Sociology, and McGill School of Environment.

**19.11.3.9 Doctor of Philosophy (Ph.D.); Civil Engineering**

**Thesis**

<table>
<thead>
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<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVE 701</td>
<td>(0)</td>
<td>Ph.D. Comprehensive Preliminary Oral Exam</td>
</tr>
</tbody>
</table>

**Complementary Courses**

6-8 credits at the 500 or 600 level taken from the Department of Civil Engineering.

**19.11.4 Electrical and Computer Engineering**

**19.11.4.1 Location**

Department of Electrical and Computer Engineering
19.11.4.2 About Electrical and Computer Engineering

The Department offers programs of graduate studies leading to a degree of Master of Engineering (thesis or project/non-thesis) or Doctor of Philosophy. The research interests and facilities of the Department are very extensive, involving more than 50 faculty members and 300 postgraduate students. The major activities are divided into the following groups: Bio-Electrical Engineering, Telecommunications and Signal Processing, Systems and Control, Integrated Circuits and Systems, Nano-Electronic Devices and Materials, Photonics Systems, Computational Electromagnetics, Power Engineering, and Intelligent Systems. The Department is equipped with state-of-the-art experimental laboratories and there are numerous multidisciplinary research projects, so students are provided with an ideal environment to develop new technologies, discover novel phenomena, and design revolutionary devices.

Research Facilities

The Department has extensive laboratory facilities for all its main research areas. In addition, McGill University often collaborates with other institutions for teaching and research.

- The laboratories for research in Robotics, Control, and Vision are in the Centre for Intelligent Machines (CIM).
- Telecommunications laboratories focus their work on signal processing, broadband communications, and networking; these laboratories form part of the Centre for Advanced Systems and Communications (SYTACOM), a McGill University Research Centre devoted to foster innovation in the area of communications systems and technologies via advanced research and training of highly qualified personnel.
- The Integrated Circuits and Systems Laboratory (ICaS) supports research in FPGAs, MEMS, micro- and nano-systems, VLSI architectures for digital communications and signal processing, mixed signal, RF, and microwave integrated circuits and components, simulation of integrated circuits and microsystems, integrated antennas, design for testability, reconfigurable computing, high-speed circuits and packaging.
- Antenna and microwave research, and optical fibre and integrated optics research are carried out in a fully equipped facility.
- The Photonics Systems laboratory includes continuous wave and femtosecond Ti: Sapphire lasers, diode lasers, extensive optics and optomechanics, and sophisticated electronic and imaging equipment.
- Solid state facilities include measurement equipment for magnetic and electric properties of materials, vacuum deposition, and RF sputtering systems.
- The Computational Electromagnetics Laboratory provides tools for numerical analysis, visualization, interface design, and knowledge-based system development.
- There is also a well-equipped laboratory for power electronics and power systems research.

The Department has extensive computer facilities. Most research machines are networked, providing access to a vast array of hardware. In addition, McGill University is linked to the Centre de Recherche Informatique de Montréal (CRIM) and the University Computing Centre.

There are three other universities in Montreal: Concordia University is the other English-language university; l’Université de Montréal, and its affiliated school of engineering, l’École Polytechnique, is the largest francophone university; l’Université du Québec has a campus in Montreal and in major towns throughout the province.

The proximity of these schools to McGill University ensures a rich array of courses is available to suit individual needs. McGill also collaborates on research projects with many organizations such as l’Institut de la Recherche d’Hydro-Québec (IREQ) and l’Institut National de la Recherche Scientifique (INRS).

Financial Support

Graduate Assistantships: The Department awards several graduate assistantships to qualified full-time graduate students. These are normally funded from research grants or contracts awarded to individual faculty members. In return, the graduate assistant is expected to perform research-related tasks assigned by the professor from whose grant the assistantship is paid. A good part, but not necessarily all, of this work can be used for preparing a thesis. There is no special application form for graduate assistantships; all applicants who indicate a need for support on their application forms will be considered.

Teaching Assistantships: Graduate students, with the approval of their supervisors, may also undertake teaching assistantships for additional remuneration. These are awarded at the beginning of the term. The Department can make no prior commitments.

Graduate students can also receive financial aid through fellowships, loans, or bursaries. For more information, please refer to the Fellowships and Awards website at www.mcgill.ca/gps, or contact Graduate and Postdoctoral Studies, McGill University, James Administration Building, Room 400, 845 Sherbrooke Street West, Montreal, QC, H3A 2T5.

section 19.11.4.5: Master of Engineering (M.Eng.): Electrical Engineering (Thesis) (46 credits)

The Master of Engineering degree (thesis option) involves six graduate courses and an externally examined thesis. This program is research oriented and the thesis is expected to involve a thorough examination of a topic of current interest in the research area within the Department. Undertaking this program at McGill University provides students with an opportunity to conduct intensive research under the supervision of researchers who are leaders in their field. The program is an ideal preparation for a Ph.D. degree or an industrial research career.
**section 19.11.4.6: Master of Engineering (M.Eng.); Electrical Engineering (Thesis) — Computational Science and Engineering (47 credits)**

This program is under review for 2011-2012 and may not be offered. Please inquire.

**section 19.11.4.7: Master of Engineering (M.Eng.); Electrical Engineering (Non-Thesis) (47 credits)**

The Master of Engineering degree (project option) involves nine graduate courses and an internally examined research project. The program is oriented more at professional development than the thesis option. The project is of significantly less scope than a thesis, and includes options such as a technical review, a design project, or a small-scale research project. Undertaking nine courses provides students with a very solid background in electrical and computer engineering, both in terms of breadth across the entire field and depth in the area of specialty. Graduates frequently pursue careers in research and development. A part-time program is possible.

**section 19.11.4.8: Doctor of Philosophy (Ph.D.); Electrical Engineering**

The Ph.D. degree recognizes a significant novel research contribution that is described in an externally examined thesis. Students who are admitted to this program normally have a master's degree. Research is conducted under the supervision of a faculty member. The Department provides an excellent environment for conducting research, with supervision by internationally renowned researchers and access to state-of-the-art experimental facilities. Graduates from the program most commonly pursue research and teaching careers in academia or research careers in industrial labs.

**19.11.4.3 Electrical and Computer Engineering Admission Requirements and Application Procedures**

**19.11.4.3.1 Admission Requirements**

**English Proficiency Requirement:** Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in English. Accepted English language tests and minimum test score requirements can be found on our website: www.mcgill.ca/ece/grad/admissions. Official results must be received before the dates for guaranteed consideration.

**GRE Requirement:** A GRE score on the General Aptitude Test is required by all students who have not completed their undergraduate or graduate degree in Canada. A minimum total score of 1100 for the verbal and quantitative sections and a minimum score of 3.5/6.0 on the analytical writing assessment section is required. Official results must be received before the dates for guaranteed consideration.

**M.Eng. Degree (Admission Requirements)**

The applicant must be the graduate of a recognized university and hold a bachelor's degree equivalent to a McGill degree in Electrical or Computer Engineering or a closely allied field. An applicant holding a degree in another field of engineering or science will be considered but a qualifying year may be given to make up any deficiencies. The applicant must have a high academic achievement: a standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of 4 or a GPA of 3.2 out of 4.0 for the last two full-time academic years. Satisfaction of these general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is on a very competitive basis.

**Ph.D. Degree (Admission Requirements)**

In addition to satisfying the requirements for the M.Eng. program, candidates must hold a suitable master's degree from a recognized university. The applicant must have a high academic achievement: a standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of 4.0. Satisfaction of these general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is on a very competitive basis.

**19.11.4.3.2 Application Procedures**

Applications will be considered upon receipt of:

1. completed application form;
2. application fee (CAD$100);
3. two official copies of all previous and current transcripts;
4. two reference letters (sent directly by the referees);
5. Area of Research and Applicant Profile Form;
6. Proof of English Proficiency and GRE scores (if applicable).

The Department accepts most of its graduate students for September; the chance of acceptance for January is significantly lower.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. All documents must be received by the Department’s Admissions Committee by the dates for guaranteed consideration.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

**19.11.4.4 Electrical and Computer Engineering Faculty**

**Chair**

Andrew G. Kirk
Graduate Program Director

Mark Coates

Emeritus Professors

Eric L. Adler; B.Sc.(Lond.), M.A.Sc.(Tor.), Ph.D.(McG.), F.I.E.E.E., Eng.
Clifford H. Champness; M.Sc.(Lond.), Ph.D.(McG.)
Gerry W. Farnell; B.A.Sc.(Tor.), S.M.(MIT), Ph.D.(McG.), F.I.E.E.E., Eng.
Lorne Mason; M.Eng., Ph.D.(Sask.)

Professors

Peter E. Caines; B.A.(Oxf.), D.I.C., Ph.D.(Lond.), F.R.S.C., F.I.E.E.E., F.C.I.A.R. (*James McGill Professor and Macdonald Professor*)
Lawrence Chen; B.Eng.(McG.), M.A.Sc., Ph.D.(Tor.)
James Clark; B.Sc., Ph.D.(Br. Col.) (*Associate Dean, Academic*)
Frank Ferrie; B.Eng., Ph.D.(McG.)
Vincent Hayward; Dip.d'Ing.(ENSM, Nantes), Doc. Ing.(Orsay), Eng.
Geza Joos; B.Sc.(C'dia), M.Eng., Ph.D.(McG.) (*CRC Chair*)
Peter Kabal; B.A.Sc., M.A.Sc., Ph.D.(Tor.)
Andrew G. Kirk; B.Sc.(Brist.), Ph.D.(Lond.) (*William Dawson Scholar*)
Tho Le-Ngoc; M.Eng.(McG.), Ph.D.(Ott.), F.I.E.E.E.
Harry Leib; B.Sc.(Technion), Ph.D.(Tor.)
David A. Lowther; B.Sc.(Lond.), Ph.D.(C.N.A.A.), F.C.A.E., Eng. (*James McGill Professor*)
Boon-Teck Ooi; B.E.(Adel.), S.M.(MIT), Ph.D.(McG.), Eng.
Gordon Roberts; B.A.Sc.(Wat.), M.A.Sc., Ph.D.(Tor.), Eng. (*James McGill Professor*) F.I.E.E.E.
Jonathan P. Webb; B.A., Ph.D.(Cant.)

Associate Professors

Ramesh Abhari; M.A.Sc.(Tehran), Ph.D.(Tor.)
Tal Arbel; M.Eng., Ph.D.(McG.)
Jan Bajcsy; B.Sc.(Harv.), M.Eng., Ph.D.(Princ.)
Benoit Boulet; B.Sc.(Laval), M.Eng.(McG.), Ph.D.(Tor.) (*William Dawson Scholar*)
Benoit Champagne; B.Eng., M.Eng.(Montr.), Ph.D.(Tor.)
Mark Coates; B.Eng.(Adel.), Ph.D.(Camb.)
Jeremy R. Cooperstock; A.Sc.(Br. Col.), M.Sc., Ph.D.(Tor.)
Mourad El-Gamal; B.Sc.(Cairo), M.Sc.(Nashville), Ph.D.(McG.) (*William Dawson Scholar*)
Dennis Giannacopoulos; M.Eng., Ph.D.(McG.)
Warren Gross; B.A.Sc.(Wat.), M.A.Sc., Ph.D.(Tor.)
Roni Khazaka; M.Eng., Ph.D.(Car.)
Associate Professors

Fabrice Labeau; M.S., Ph.D.(Louvain)
Steve McFee; B.Eng., Ph.D.(McG.)
Hannah Michalska; B.Sc., M.Sc.(Warsaw), Ph.D.(Lond.)
Milica Popovich; B.Sc.(Colo.), M.Sc., Ph.D.(N'western)
Ioannis Psaromiligkos; B.Sc.(Patras), M.Sc., Ph.D.(Buffalo)
Richard Rose; B.Sc., M.S.(Ill.), Ph.D.(GIT)
Ishiang Shih; M.Eng., Ph.D.(McG.)
Zeljko Zilic; B.Eng.(Zagreb), M.Sc., Ph.D.(Tor.)

Assistant Professors

François Bouffard; B.Eng., Ph.D.(McG.)
Vamsy Chodavarapu; B.Eng.(Osmania), M.S., Ph.D.(NYU)
Anas Hamoui; M.Eng.(McG.), Ph.D.(Tor.)
Odile Liboiron-Ladouceur; B.Eng.(McG.), M.Sc., Ph.D.(Col.)
Aditya Mahajan, B.Tech.(Indian IT), M.S., Ph.D.(Mich.)
Zetian Mi; B.A.Sc.(Beijing), M.Sc.(Iowa), Ph.D.(Mich.)
Sam Musallam; B.Sc., M.Sc., Ph.D.(Tor.)
Michael Rabbat; B.S.(Ill.), M.S.(Rice), Ph.D.(Wisc.)
Martin Rochette; B.A., M.Eng., Ph.D.(Laval)
Thomas Szkopek; B.A.Sc., M.A.Sc.(Tor.), Ph.D.(Calif.-LA)
Mai Vu; M.S., Ph.D.(Stan.)

Associate Members

Alan C. Evans, William R. Funnell, Henrietta L. Galiana, Jean Gotman, David Juncker, Robert E. Kearney, Xue Liu, Nathaniel J. Quitoriano

Adjunct Professors


19.11.4.5 Master of Engineering (M.Eng.); Electrical Engineering (Thesis) (46 credits)

The M.Eng. Thesis program must be completed on a full-time basis in three years. The following requirements must be met:

Thesis Courses (28 credits)

<table>
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<th>Course</th>
<th>Credits</th>
<th>Title</th>
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<td>Thesis Research 1</td>
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</tr>
<tr>
<td>ECSE 697</td>
<td>(4)</td>
<td>Thesis Research 7</td>
</tr>
</tbody>
</table>

Students who choose the Thesis option must register for all 28 credits during the three terms of residency.

Complementary Courses

(18 credits minimum)
At least six 500, 600, or 700 level courses, normally with a minimum of four ECSE 500- or 600-level courses*

* Under special circumstances, and subject to Departmental approval, students may be allowed to take more than two non-Departmental courses; a letter of recommendation from their supervisor outlining the reason for such an action is required.

Under no circumstances will more than three non-Departmental courses be permitted.

19.11.4.6 Master of Engineering (M.Eng.); Electrical Engineering (Thesis) — Computational Science and Engineering (47 credits)

Program under review for 2011-12 - may not be offered.

**Thesis Courses (28 credits)**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
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<td>ECSE 697</td>
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**Required Course (1 credit)**

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<tr>
<td>ECSE 670D1</td>
<td>.5</td>
<td>Computational Science Engineering Seminar</td>
</tr>
<tr>
<td>ECSE 670D2</td>
<td>.5</td>
<td>Computational Science Engineering Seminar</td>
</tr>
</tbody>
</table>

**Complementary Courses (18 credits)**

(minimum 18 credits)

Six courses at the graduate level (500 or above) are required (minimum 18 credits), with a grade of B- or better. Two courses (minimum 6 credits) from List A, and two courses (minimum 6 credits) from List B. At least two of the courses taken from Lists A and B must be from outside the Department of Electrical and Computer Engineering.

**List A: Scientific Computer Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVE 602</td>
<td>4</td>
<td>Finite Element Analysis</td>
</tr>
<tr>
<td>COMP 522</td>
<td>4</td>
<td>Modelling and Simulation</td>
</tr>
<tr>
<td>COMP 540</td>
<td>3</td>
<td>Matrix Computations</td>
</tr>
<tr>
<td>COMP 566</td>
<td>3</td>
<td>Discrete Optimization 1</td>
</tr>
<tr>
<td>MATH 578</td>
<td>4</td>
<td>Numerical Analysis 1</td>
</tr>
<tr>
<td>MATH 579</td>
<td>4</td>
<td>Numerical Differential Equations</td>
</tr>
</tbody>
</table>

**List B: Applications and Specialized Methods Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATOC 512</td>
<td>3</td>
<td>Atmospheric and Oceanic Dynamics</td>
</tr>
<tr>
<td>ATOC 513</td>
<td>3</td>
<td>Waves and Stability</td>
</tr>
<tr>
<td>ATOC 515</td>
<td>3</td>
<td>Turbulence in Atmosphere and Oceans</td>
</tr>
<tr>
<td>CIVE 572</td>
<td>3</td>
<td>Computational Hydraulics</td>
</tr>
<tr>
<td>CIVE 601</td>
<td>()</td>
<td></td>
</tr>
<tr>
<td>CIVE 603</td>
<td>4</td>
<td>Structural Dynamics</td>
</tr>
<tr>
<td>CIVE 613</td>
<td>4</td>
<td>Numerical Methods: Structural Engineering</td>
</tr>
<tr>
<td>COMP 505</td>
<td>3</td>
<td>Advanced Computer Architecture</td>
</tr>
<tr>
<td>COMP 557</td>
<td>3</td>
<td>Fundamentals of Computer Graphics</td>
</tr>
<tr>
<td>Course Code</td>
<td>Credit Hours</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>--------------</td>
<td>------------------------------------------------</td>
</tr>
<tr>
<td>COMP 558</td>
<td>3</td>
<td>Fundamentals of Computer Vision</td>
</tr>
<tr>
<td>COMP 567</td>
<td>3</td>
<td>Discrete Optimization 2</td>
</tr>
<tr>
<td>COMP 621</td>
<td>4</td>
<td>Program Analysis and Transformations</td>
</tr>
<tr>
<td>COMP 642</td>
<td>4</td>
<td>Numerical Estimation Methods</td>
</tr>
<tr>
<td>COMP 767</td>
<td>4</td>
<td>Advanced Topics: Applications 2</td>
</tr>
<tr>
<td>ECSE 507</td>
<td>3</td>
<td>Optimization and Optimal Control</td>
</tr>
<tr>
<td>ECSE 532</td>
<td>3</td>
<td>Computer Graphics</td>
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<tr>
<td>ECSE 547</td>
<td>3</td>
<td>Finite Elements in Electrical Engineering</td>
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<tr>
<td>ECSE 549</td>
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<td>Expert Systems in Electrical Design</td>
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<tr>
<td>MATH 555</td>
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<td>Fluid Dynamics</td>
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<tr>
<td>MATH 560</td>
<td>4</td>
<td>Optimization</td>
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<tr>
<td>MATH 651</td>
<td>4</td>
<td>Asymptotic Expansion and Perturbation Methods</td>
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<tr>
<td>MATH 761</td>
<td>4</td>
<td>Topics in Applied Mathematics 1</td>
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<tr>
<td>MECH 533</td>
<td>3</td>
<td>Subsonic Aerodynamics</td>
</tr>
<tr>
<td>MECH 537</td>
<td>3</td>
<td>High-Speed Aerodynamics</td>
</tr>
<tr>
<td>MECH 538</td>
<td>3</td>
<td>Unsteady Aerodynamics</td>
</tr>
<tr>
<td>MECH 539</td>
<td>3</td>
<td>Computational Aerodynamics</td>
</tr>
<tr>
<td>MECH 541</td>
<td>3</td>
<td>Kinematic Synthesis</td>
</tr>
<tr>
<td>MECH 545</td>
<td>3</td>
<td>Advanced Stress Analysis</td>
</tr>
<tr>
<td>MECH 572</td>
<td>3</td>
<td>Introduction to Robotics</td>
</tr>
<tr>
<td>MECH 573</td>
<td>3</td>
<td>Mechanics of Robotic Systems</td>
</tr>
<tr>
<td>MECH 576</td>
<td>3</td>
<td>Geometry in Mechanics</td>
</tr>
<tr>
<td>MECH 577</td>
<td>3</td>
<td>Optimum Design</td>
</tr>
<tr>
<td>MECH 610</td>
<td>4</td>
<td>Fundamentals of Fluid Dynamics</td>
</tr>
<tr>
<td>MECH 620</td>
<td>4</td>
<td>Advanced Computational Aerodynamics</td>
</tr>
<tr>
<td>MECH 632</td>
<td>4</td>
<td>Theory of Elasticity</td>
</tr>
<tr>
<td>MECH 642</td>
<td>4</td>
<td>Advanced Dynamics</td>
</tr>
<tr>
<td>MECH 650</td>
<td>4</td>
<td>Fundamentals of Heat Transfer</td>
</tr>
<tr>
<td>MECH 654</td>
<td>4</td>
<td>Compt. Fluid Flow and Heat Transfer</td>
</tr>
</tbody>
</table>

**19.11.4.7 Master of Engineering (M.Eng.); Electrical Engineering (Non-Thesis) (47 credits)**

Full-time students must complete the program in three years. A part-time program is possible. The following requirements must be met:

**Research Project**

(11-20 credits)

The credits assigned to the project can vary between 11 and 20 depending on the number of course credits taken from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECSE 651</td>
<td>1</td>
<td>M.Eng. Project 1</td>
</tr>
<tr>
<td>ECSE 652</td>
<td>2</td>
<td>M.Eng. Project 2</td>
</tr>
<tr>
<td>ECSE 653</td>
<td>3</td>
<td>M.Eng. Project 3</td>
</tr>
<tr>
<td>ECSE 654</td>
<td>4</td>
<td>M.Eng. Project 4</td>
</tr>
<tr>
<td>ECSE 655</td>
<td>5</td>
<td>M.Eng. Project 5</td>
</tr>
<tr>
<td>ECSE 656</td>
<td>5</td>
<td>M.Eng. Project 6</td>
</tr>
</tbody>
</table>

Students who choose the Non-Thesis option must register for the project courses during the three required terms of residency.
Complementary Courses

(27-36 credits)

At least nine 500-, 600-, or 700- level courses, normally with a minimum of six 500- or 600- level courses (ECSE only)*

* Under special circumstances, and subject to Departmental approval, students may be allowed to take more than three non-Departmental courses; a letter of recommendation from their supervisor outlining the reason for such an action is required.

Under no circumstance will more than four non-Departmental courses be permitted.

19.11.4.8 Doctor of Philosophy (Ph.D.); Electrical Engineering

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECSE 701</td>
<td>(0)</td>
<td>Ph.D. Qualifying Examination</td>
</tr>
<tr>
<td>ECSE 702</td>
<td>(0)</td>
<td>Ph.D. Research Plan Proposal</td>
</tr>
<tr>
<td>ECSE 703</td>
<td>(0)</td>
<td>Doctoral Research Seminar</td>
</tr>
</tbody>
</table>

In addition to the successful completion of the required courses above, students must complete the courses prescribed by the student's Supervisory Committee.

19.11.5 Mechanical Engineering

19.11.5.1 Location

Department of Mechanical Engineering
Macdonald Engineering Building
817 Sherbrooke Street West, Room MD-270
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-6281
Fax: 514-398-7365

Email: gradcoordinator.mecheng@mcgill.ca
Website: www.mcgill.ca/mecheng/grad

19.11.5.2 About Mechanical Engineering

Mechanical engineers are traditionally concerned with the conception, design, implementation, and operation of mechanical systems. Common fields of work include aerospace, energy, manufacturing, machinery, and transportation. Due to the broad nature of the discipline, there is usually a high demand for mechanical engineers with advanced training.

The Department includes more than 30 faculty members and 200 graduate students and is housed primarily within the Macdonald Engineering building, which was recently renovated. The Department contains state-of-the-art experimental facilities including a major wind tunnel facility and has extensive computational facilities. Professors within the Department collaborate widely with professors in other units, often through research centres including the Centre for Intelligent Machines (CIM), the McGill Institute for Advanced Materials (MIAM), and the Montreal Neurological Institute (MNI). The research interests within the Department are very broad and fall largely within the following five areas: i) aerodynamics, fluids, and thermal engineering; ii) mechanics of materials and structures; iii) dynamics and control; iv) design and manufacturing; and v) bioengineering. Within these areas, specific topics of research are given in the following:

Aerodynamics; fluids and thermal engineering

Experimental fluid mechanics and aerodynamics, aeroelasticity, aeroacoustics; theoretical fluid mechanics; turbulence, mixing in turbulent flows; fluid flow control; fluid-structure interactions; computational fluid dynamics, multidisciplinary optimization, computer flow visualization; heat transfer; combustion, shock wave physics, energetic materials, high-speed reacting flows, hypersonic propulsion, alternative fuels.

Mechanics of materials and structures

Composite materials: structural design, analysis, manufacturing and processing; micro/nano mechanics; MEMS/NEMS; adaptronic structures; thermomechanics, wave propagation, computational mechanics.

Dynamics and control

Multibody systems, legged and wheeled vehicles, compliant mechanisms, kinematic geometry; tethered systems, lighter-than-air craft, underwater vehicles; spacecraft dynamics, space robotics; modelling and simulation; fluid-structure interactions, nonlinear and chaotic dynamics; dynamics of bladed assemblies.

Design and manufacturing
Design theory and methodology, design optimization; biomimetics; machine tools and systems, manufacturing processes, management and control; micro/nano machining; wear and comminution processes.

**Bioengineering**

Biomechanics, biomaterials, blood and respiratory flows, mechanics of soft tissues, cardiovascular devices, image processing for medical diagnostics, voice production.

**Programs Offered**

The Department offers programs of study leading to the M.Eng., M.Sc., and Ph.D. degrees in Mechanical Engineering. Both M.Eng. (Thesis) and M.Eng. (Non-Thesis) programs are offered.

There are several options for completing Master’s degrees that do not involve the completion of a thesis. The M.Eng. (Non-Thesis) program has more extensive course requirements and will appeal to students who desire to gain both a broad understanding of subjects within Mechanical Engineering as well as in-depth information in a specific area. Two other options for non-thesis Master’s degrees are described below.

**section 19.11.5.5: Master of Engineering (M.Eng.); Mechanical Engineering (Thesis) (45 credits)**

The M.Eng. (Thesis) program requires the completion of 16 credits of technical complementary courses, a seminar course, and a thesis. The thesis involves advanced research supervised by one or more professors who are internationally known in their field. This program prepares students for either an industrial research career or further academic research at the Ph.D. level.

**section 19.11.5.6: Master of Science (M.Sc.); Mechanical Engineering (Thesis) (45 credits)**

Please consult the Department for more information on this program.

**section 19.11.5.7: Master of Engineering (M.Eng.); Mechanical Engineering (Thesis) — Computational Science and Engineering (46 credits)**

For students who would like to concentrate on computational work for their research, the M.Eng. (Thesis) – Computational Science and Engineering (CSE) option is available. CSE is a rapidly growing multidisciplinary area with connections to the sciences, engineering, mathematics, and computer science. CSE focuses on the development of problem-solving methodologies and robust tools for the solution of scientific and engineering problems. In this program, students choose their complementary courses from within a list of scientific computing courses and courses that involve applications and specialized methods.

**section 19.11.5.8: Master of Engineering (M.Eng.); Mechanical Engineering (Non-Thesis) (45 credits)**

Students in this program must complete four required courses in addition to 16 credits of complementary courses and a seminar course. They also complete a project that is less involved than a thesis and may involve a limited research project, or a technical or design study. Graduates of this program are well-prepared for carrying out research and development in industry and may also proceed on to further research at the Ph.D. level.

**section 19.11.5.9: Master of Engineering (M.Eng.); Aerospace Engineering (Non-Thesis) (45 credits)**

The M.Eng. Aerospace Degree is offered to the students who wish to specialize in the general area of aerospace engineering. This degree is given in conjunction with Concordia University, École Polytechnique, Université Laval, Université de Sherbrooke, and École de Technologie Supérieure. Students registered at McGill are required to take two courses from two other institutions.

The aerospace industry is strongly established in Quebec. Representatives of the aerospace industry therefore requested that measures be taken to provide qualified scientists in aerospace. Five universities offering courses in engineering came together to offer a Master’s degree program in the field of aeronautics and space technology. This program is offered to students who wish to specialize in these disciplines. The industry’s participation is a special feature of this program. The universities and the participating industries, with the cooperation of the Centre of Aerospace Manpower Activities in Quebec (CAMAQ), have formed a Coordinating Committee, CIMGAS, to arrange for industrial internships and case study courses for the students and to implement specific program developments to meet the needs of the industry.

The M.Eng. (Aerospace) program requires a minimum of 45 credits, including an “Industrial Stage” (i.e., engineering work in an aerospace industry) of four months. Enrolment is limited to the number of industrial stages available, so admission to the program is typically quite competitive. While intended to be a full-time program, the M.Eng. (Aerospace) program may be completed on a part-time basis over a maximum of five years. By the time of completion of the program, graduates are extremely well-prepared to enter into a career in the aerospace industry.

Depending on their background, students would specialize in one of the four areas:

1. Aeronautics and Space Engineering;
2. Avionics and Control;
3. Aerospace Materials and Structures;

**section 17.13.1: Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)**

The Master in Manufacturing Management (M.M.M.) program attracts business professionals from around the world who wish to pursue a career in the effective management of global operations and supply chain. It is a professionally-oriented graduate program offered jointly through the Faculties of Engineering and Management, aimed at those candidates with engineering or science backgrounds.
section 17.13.1: Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)

In just eleven months of academic studies, M.M.M. students sharpen their expertise in supply chain and operations through an intensive program that includes:

• A challenging curriculum
• Extensive industrial interaction
• Innovative research projects

Additionally, students are exposed to the latest trends and developments in management and participate in professional development seminars to leverage their communication and leadership skills. After less than one year of studies, participants complete a paid work term at an industrial location. This is a unique opportunity to work on a real-world project with an M.M.M. partner company in North America.

section 19.11.5.11: Doctor of Philosophy (Ph.D.); Mechanical Engineering

In the Ph.D. program, students are required to demonstrate a significant new contribution to their field of research, as documented in an externally reviewed thesis. The research is carried out under the supervision of professors that are leaders in their field. Since research in Mechanical Engineering is often interdisciplinary in nature, it is common for Ph.D. students to have a co-supervisor in addition to their principle supervisor. Graduates from this program typically proceed to careers in research in either industrial or academic environments.

19.11.5.3 Mechanical Engineering Admission Requirements and Application Procedures

19.11.5.3.1 Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply. Candidates who come from other institutions are expected to have an academic background equivalent to the undergraduate curriculum in mechanical engineering at McGill or to make up any deficiencies in a qualifying year.

Applicants to the M.Eng. (Thesis) program, including the CSE Option, must hold an undergraduate degree (or equivalent) in Engineering. Applicants who hold an undergraduate degree in a non-Engineering discipline – typically the Physical Sciences – may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

Applicants to the M.Eng. (Non-Thesis) program must hold an undergraduate degree (or equivalent) in Mechanical Engineering.

Applicants to the M.Eng. (Aerospace) program must hold an undergraduate degree (or equivalent) in Engineering.

Applicants to the Ph.D. program must have successfully completed a master's degree program (or equivalent) in Engineering or the Physical Sciences. Students are not admitted directly from an undergraduate program into the Ph.D. program.

In the case of all programs, applicants must have successfully completed their prior degree(s) with a minimum CGPA equivalent to 3.3 on a scale of 4.0. Satisfaction of these minimum requirements does not guarantee admission. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit official results of either a TOEFL or an IELTS test. The minimum score required is 92 for the Internet-based TOEFL test, with each component score not less than 20 (or 580 on the paper-based test, with a minimum of 4.0 on the “Test of Written English”); or a minimum overall band of 7.0 on the IELTS test.

19.11.5.3.2 Application Procedures

Applications will be considered upon receipt of:

1. online application form;
2. $100 application fee;
3. two official versions of ALL university transcripts, including transfer-credit transcripts;
4. two official Referee Reports;
5. proof of English Proficiency test results (TOEFL or IELTS);
6. one-page statement of interest;
7. an updated list of publications;
8. a list of extra-curricular activities;
9. a current CV.

Please consult www.mcgill.ca/mecheng/grad/admissions/ for further details on required application documents.

The application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply. All additional information is to be submitted directly to the Graduate Admissions Coordinator in the Mechanical Engineering Department.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. Please also consult the Departmental website for the Dates for Guaranteed Consideration: www.mcgill.ca/mecheng/grad/admissions/dates.
### 19.11.5.4 Mechanical Engineering Faculty

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chair</td>
<td>G. Haller</td>
</tr>
<tr>
<td>Associate Chair</td>
<td>S. Vengallatore</td>
</tr>
<tr>
<td>Graduate Program Director</td>
<td>D.L. Frost</td>
</tr>
<tr>
<td>Graduate Admissions and Scholarships Director</td>
<td>S. Nadarajah</td>
</tr>
<tr>
<td>Graduate Aerospace Director</td>
<td>P. Hubert</td>
</tr>
<tr>
<td>Graduate MMM Co-Director</td>
<td>V. Thomson</td>
</tr>
</tbody>
</table>

#### Emeritus Professors

- A.M. Ahmed; B.Sc.(Dhaka), Ph.D.(McG.), Ing. (*Thomas Workman Emeritus Professor of Mechanical Engineering*)
- S.J. Price; B.Sc., Ph.D.(Brst.), P.Eng.

#### Post-Retirement

- G. Bach; B.Sc.(Alta.), M.Sc.(Birm.), Ph.D.(McG.)

#### Professors

- M. Amabili; M.Sc.(Ancona), Ph.D.(Bologna) (*Canada Research Chair*)
- B.R. Baliga; B.Tech.(I.I.T. Kanpur), M.Sc.(Case West.), Ph.D.(Minn.)
- E. Fried; A.B.(Calif., Berk.), B.S.(Calif. Poly.), M.S., Ph.D.(Calif. Tech.) (*Canada Research Chair*)
- G. Haller; M.Sc.(Budapest), Ph.D.(Calif. Tech.) (*Faculty of Engineering Distinguished Professor*)
- J.H.S. Lee; B.Eng.(McG.), M.Sc.(MIT), Ph.D.(McG.), Ing., F.R.S.C.
- L. Mongeau; B.Sc., M.Sc.(École Poly., Montr.), Ph.D.(Penn St.), Ing. (*Canada Research Chair*)
- M. Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Ing.
- C. Pierre; B.Eng.(École Cent. Paris), M.Sc.(Princ.), Ph.D.(Duke), F.A.S.M.E. (*Canada Research Chair*)
**Associate Professors**

L. Cortelezzi; M.Sc., Ph.D.(Calif. Tech.)


A.J. Higgins; B.Sc.(Ill.), M.S., Ph.D.(Wash.)

P. Hubert; B.Eng., M.A.Sc.(École Poly., Montr.), Ph.D.(Br. Col.), Ing. (Canada Research Chair)


T. Lee; M.S.(Portland St.), Ph.D.(Idaho)

L. Lessard; B.Eng.(McG.), M.Sc., Ph.D.(Stan.), Ing.

R. Mongrain; B.Sc., M.Sc.(Montr.), Ph.D.(École Poly., Montr.), Ing. (William Dawson Scholar)

L. Mydlarski; B.Sc.(Wat.), Ph.D.(C’nell)

S. Nadarajah; B.Sc.(Kansas), M.S., Ph.D.(Stan.)

D. Pasini; M.Sc.(Pavia), Ph.D.(Brist.), Ing.

P. Radziszewski; B.Sc.(Br. Col.), M.Sc., Ph.D.(Laval), Ing.

I. Sharf; B.A.Sc., Ph.D.(Tor.)

V. Thomson; B.Sc.(Windsor), Ph.D.(McM.) (Werner Graupe Professor of Manufacturing Automation)


S. Vengallatore; B.Tech.(B.H.U), Ph.D.(MIT) (Canada Research Chair)

P.J. Zsombor-Murray; B.Eng., M.Eng., Ph.D.(McG.), Ing., F.C.S.M.E.

**Assistant Professors**

F. Barthelat; M.Sc.(Roch.), Ph.D.(N’western)


**Non-Tenure-Track Faculty**

H. Attia, J.A. Nemes, D. Zorbas

---

**19.11.5.5 Master of Engineering (M.Eng.): Mechanical Engineering (Thesis) (45 credits)**

Applicants who hold an undergraduate degree in a non-Engineering discipline – typically the Physical Sciences – may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

**Thesis Courses (28 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>MECH 691*</td>
<td>(3)</td>
<td>M.Eng. Thesis Literature Review</td>
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<td>MECH 692</td>
<td>(4)</td>
<td>M.Eng. Thesis Research Proposal</td>
</tr>
<tr>
<td>MECH 693</td>
<td>(3)</td>
<td>M.Eng. Thesis Progress Report 1</td>
</tr>
<tr>
<td>MECH 694</td>
<td>(6)</td>
<td>M.Eng. Thesis Progress Report 2</td>
</tr>
<tr>
<td>MECH 695</td>
<td>(12)</td>
<td>M.Eng. Thesis</td>
</tr>
</tbody>
</table>

* Note: MECH 691 must be taken in the first term of the student's program.

**Required Courses**

1 credit:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 609</td>
<td>(1)</td>
<td>Seminar</td>
</tr>
</tbody>
</table>

**Complementary Courses (16 credits)**

A minimum of 16 credits (500, 600, or 700 level), at least 8 of which must be from within the Faculty of Engineering. FACC courses will not count toward the complementary course credits.
19.11.5.6 Master of Science (M.Sc.); Mechanical Engineering (Thesis) (45 credits)

Applicants who hold an undergraduate degree in a non-Engineering discipline – typically the Physical Sciences – may apply for the M.Sc. (Thesis) program, which is governed by the same regulations as the M.Eng. (Thesis) program.

**Thesis Courses (28 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 691*</td>
<td>3</td>
<td>M.Eng. Thesis Literature Review</td>
</tr>
<tr>
<td>MECH 692</td>
<td>4</td>
<td>M.Eng. Thesis Research Proposal</td>
</tr>
<tr>
<td>MECH 693</td>
<td>3</td>
<td>M.Eng. Thesis Progress Report 1</td>
</tr>
<tr>
<td>MECH 694</td>
<td>6</td>
<td>M.Eng. Thesis Progress Report 2</td>
</tr>
<tr>
<td>MECH 695</td>
<td>12</td>
<td>M.Eng. Thesis</td>
</tr>
</tbody>
</table>

* Note: MECH 691 must be completed in the first term of the student's program.

**Required Course**

1 credit:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 609</td>
<td>1</td>
<td>Seminar</td>
</tr>
</tbody>
</table>

**Complementary Courses (16 credits)**

A minimum of 16 credits (500, 600, or 700 level), at least 8 of which must be from within the Faculty of Engineering. FACC courses will not count toward the complementary course credits.

19.11.5.7 Master of Engineering (M.Eng.); Mechanical Engineering (Thesis) — Computational Science and Engineering (46 credits)

**Thesis Courses (28 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 691*</td>
<td>3</td>
<td>M.Eng. Thesis Literature Review</td>
</tr>
<tr>
<td>MECH 692</td>
<td>4</td>
<td>M.Eng. Thesis Research Proposal</td>
</tr>
<tr>
<td>MECH 693</td>
<td>3</td>
<td>M.Eng. Thesis Progress Report 1</td>
</tr>
<tr>
<td>MECH 694</td>
<td>6</td>
<td>M.Eng. Thesis Progress Report 2</td>
</tr>
<tr>
<td>MECH 695</td>
<td>12</td>
<td>M.Eng. Thesis</td>
</tr>
</tbody>
</table>

* Note: MECH 691 must be complete in the first term of the student's program.

**Required Courses (2 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH 609</td>
<td>1</td>
<td>Seminar</td>
</tr>
<tr>
<td>MECH 669</td>
<td>1</td>
<td>Computational Science Engineering Seminar</td>
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</tbody>
</table>

**Complementary Courses (16 credits)**

A minimum of 16 credits (500 level or above), at least 8 of which must be from within the Faculty of Engineering. Two courses (minimum 6 credits) from List A, and two courses (minimum 6 credits) from List B. At least two of the courses taken from Lists A and B must be from outside the Department of Mechanical Engineering. FACC courses will not count toward the complementary course credits.

**List A - Scientific Computing Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVE 602</td>
<td>4</td>
<td>Finite Element Analysis</td>
</tr>
<tr>
<td>COMP 522</td>
<td>4</td>
<td>Modelling and Simulation</td>
</tr>
<tr>
<td>COMP 540</td>
<td>3</td>
<td>Matrix Computations</td>
</tr>
<tr>
<td>COMP 566</td>
<td>3</td>
<td>Discrete Optimization 1</td>
</tr>
<tr>
<td>MATH 578</td>
<td>4</td>
<td>Numerical Analysis 1</td>
</tr>
<tr>
<td>MATH 579</td>
<td>4</td>
<td>Numerical Differential Equations</td>
</tr>
</tbody>
</table>
### List B - Applications and Specialized Methods Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATOC 512</td>
<td>3</td>
<td>Atmospheric and Oceanic Dynamics</td>
</tr>
<tr>
<td>ATOC 513</td>
<td>3</td>
<td>Waves and Stability</td>
</tr>
<tr>
<td>ATOC 515</td>
<td>3</td>
<td>Turbulence in Atmosphere and Oceans</td>
</tr>
<tr>
<td>CIVE 572</td>
<td>3</td>
<td>Computational Hydraulics</td>
</tr>
<tr>
<td>CIVE 601</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIVE 603</td>
<td>4</td>
<td>Structural Dynamics</td>
</tr>
<tr>
<td>CIVE 613</td>
<td>4</td>
<td>Numerical Methods: Structural Engineering</td>
</tr>
<tr>
<td>COMP 505</td>
<td>3</td>
<td>Advanced Computer Architecture</td>
</tr>
<tr>
<td>COMP 557</td>
<td>3</td>
<td>Fundamentals of Computer Graphics</td>
</tr>
<tr>
<td>COMP 558</td>
<td>3</td>
<td>Fundamentals of Computer Vision</td>
</tr>
<tr>
<td>COMP 567</td>
<td>3</td>
<td>Discrete Optimization 2</td>
</tr>
<tr>
<td>COMP 621</td>
<td>4</td>
<td>Program Analysis and Transformations</td>
</tr>
<tr>
<td>COMP 642</td>
<td>4</td>
<td>Numerical Estimation Methods</td>
</tr>
<tr>
<td>COMP 767</td>
<td>4</td>
<td>Advanced Topics: Applications 2</td>
</tr>
<tr>
<td>ECSE 507</td>
<td>3</td>
<td>Optimization and Optimal Control</td>
</tr>
<tr>
<td>ECSE 532</td>
<td>3</td>
<td>Computer Graphics</td>
</tr>
<tr>
<td>ECSE 547</td>
<td>3</td>
<td>Finite Elements in Electrical Engineering</td>
</tr>
<tr>
<td>ECSE 549</td>
<td>3</td>
<td>Expert Systems in Electrical Design</td>
</tr>
<tr>
<td>MATH 555</td>
<td>4</td>
<td>Fluid Dynamics</td>
</tr>
<tr>
<td>MATH 560</td>
<td>4</td>
<td>Optimization</td>
</tr>
<tr>
<td>MATH 651</td>
<td>4</td>
<td>Asymptotic Expansion and Perturbation Methods</td>
</tr>
<tr>
<td>MATH 761</td>
<td>4</td>
<td>Topics in Applied Mathematics 1</td>
</tr>
<tr>
<td>MECH 533</td>
<td>3</td>
<td>Subsonic Aerodynamics</td>
</tr>
<tr>
<td>MECH 537</td>
<td>3</td>
<td>High-Speed Aerodynamics</td>
</tr>
<tr>
<td>MECH 538</td>
<td>3</td>
<td>Unsteady Aerodynamics</td>
</tr>
<tr>
<td>MECH 539</td>
<td>3</td>
<td>Computational Aerodynamics</td>
</tr>
<tr>
<td>MECH 541</td>
<td>3</td>
<td>Kinematic Synthesis</td>
</tr>
<tr>
<td>MECH 545</td>
<td>3</td>
<td>Advanced Stress Analysis</td>
</tr>
<tr>
<td>MECH 572</td>
<td>3</td>
<td>Introduction to Robotics</td>
</tr>
<tr>
<td>MECH 573</td>
<td>3</td>
<td>Mechanics of Robotic Systems</td>
</tr>
<tr>
<td>MECH 576</td>
<td>3</td>
<td>Geometry in Mechanics</td>
</tr>
<tr>
<td>MECH 577</td>
<td>3</td>
<td>Optimum Design</td>
</tr>
<tr>
<td>MECH 610</td>
<td>4</td>
<td>Fundamentals of Fluid Dynamics</td>
</tr>
<tr>
<td>MECH 620</td>
<td>4</td>
<td>Advanced Computational Aerodynamics</td>
</tr>
<tr>
<td>MECH 632</td>
<td>4</td>
<td>Theory of Elasticity</td>
</tr>
<tr>
<td>MECH 642</td>
<td>4</td>
<td>Advanced Dynamics</td>
</tr>
<tr>
<td>MECH 650</td>
<td>4</td>
<td>Fundamentals of Heat Transfer</td>
</tr>
<tr>
<td>MECH 654</td>
<td>4</td>
<td>Compt. Fluid Flow and Heat Transfer</td>
</tr>
</tbody>
</table>

**19.11.5.8 Master of Engineering (M.Eng.); Mechanical Engineering (Non-Thesis) (45 credits)**

**Research Project (13 credits)**
Note: Industrial liaison is encouraged in these courses taken near the end of the program.

**Required Courses (16 credits)**

- MECH 605 (4) Applied Mathematics 1
- MECH 610 (4) Fundamentals of Fluid Dynamics
- MECH 632 (4) Theory of Elasticity
- MECH 642 (4) Advanced Dynamics

**Complementary Courses (16 credits)**

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering may be selected by the student, based on interest and the choice of area of concentration. Courses at the graduate level from other faculties may also be taken, with prior approval from the student's project supervisor and the Graduate Program Director. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.

**19.11.5.9 Master of Engineering (M.Eng.); Aerospace Engineering (Non-Thesis) (45 credits)**

The M.Eng. Aerospace Degree is offered to the students who wish to specialize in the general area of aerospace engineering. This degree is given in conjunction with Concordia University, École Polytechnique, Université Laval, Université de Sherbrooke, and École de Technologie Supérieure. Students registered at McGill are required to take two courses from two other institutions.

Depending on their background, students would specialize in one of the four areas:

1. Aeronautics and Space Engineering
2. Avionics and Control
3. Aerospace Materials and Structures
4. Virtual Environment

**Required Courses (9 credits)**

- MECH 687 (3) Aerospace Case Studies
- MECH 688 (6) Industrial Stage

**Complementary Courses (36 credits)**

The other courses, depending on the area of concentration, will be chosen in consultation with an Aerospace Engineering Adviser. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.

**19.11.5.10 Master of Management (M.M.M.); Manufacturing Management (Non-Thesis) (57 credits)**

Note: This program is either a 56- or 57-credit program.

**Required Courses - General Business and Management (11 credits)**

- MGCR 651 (4) Managing Resources
- MGCR 652 (4) Value Creation
- MGSC 608 (3) Data Decisions and Models

**Complementary Courses - General Business and Management (6 credits)**

6 credits from the following:

- ACCT 624 (3) Management Accounting: Planning & Control
- INDR 603 (3) Industrial Relations
- ORGB 625 (3) Managing Organizational Change
ORGB 632 (3) Managing Teams in Organizations  
ORGB 633 (3) Managerial Negotiations  
ORGB 640 (3) The Art of Leadership  
ORGB 685 (3) Cross Cultural Management

**Required Courses - Manufacturing and Supply Chain Operations (15 credits)**

- MECH 524 (3) Computer Integrated Manufacturing  
- MGSC 602 (3) Strategic Management of Operations  
- MGSC 603 (3) Logistics Management  
- MGSC 605 (3) Total Quality Management  
- MGSC 631 (3) Analysis: Production Operations

**Complementary Courses - Manufacturing and Supply Chain Operations (13 credits)**

(12-13 credits)

6 credits from the following:

- MECH 526 (3) Manufacturing and the Environment  
- MGSC 575 (3) Applied Time Series Analysis Managerial Forecasting  
- MGSC 601 (3) Management of Technology in Manufacturing  
- MGSC 615 (3) Procurement and Distribution

6-7 credits from the following:

0 or 6 credits from:

**Discrete Manufacturing Option**

- MECH 528 (3) Product Design  
- MECH 529 (3) Discrete Manufacturing Systems

0-7 credits from:

**Process Manufacturing Option**

- CHEE 571 (3) Small Computer Applications: Chemical Engineering  
- CHEE 641 (4) Chemical Reaction Engineering

**Required Courses - Industry (12 credits)**

- MECH 627 (9) Manufacturing Industrial Stage  
- MECH 628 (2) Manufacturing Case Studies  
- MECH 629 (1) Manufacturing Industrial Seminar

**19.11.5.11 Doctor of Philosophy (Ph.D.); Mechanical Engineering**

Candidates normally register for the M.Eng. degree in the first instance. However, in exceptional cases where the research work is proceeding very satisfactorily, or where the equivalent of the M.Eng. degree has been completed at another university, candidates may be permitted to proceed directly to the Ph.D. degree without submitting a master's thesis as long as they have satisfied the course requirements for the M.Eng. degree.
**Thesis**

**Required Courses**

- MECH 700 (0) Ph.D. Literature Review
- MECH 701 (0) Ph.D. Thesis Proposal
- MECH 702 (0) Ph.D. Comprehensive Preliminary Oral Examination

---

**19.11.6  Mining and Materials Engineering**

**19.11.6.1 Location**

Department of Mining and Materials Engineering  
M.H. Wong Building  
3610 University Street  
Montreal, QC H3A 2B2  
Canada

Email: barbara.hanley@mcgill.ca
Website: [www.mcgill.ca/minmat](http://www.mcgill.ca/minmat)

Mining Engineering  
Telephone: 514-398-2215  
Fax: 514-398-7099

Materials Engineering  
Telephone: 514-398-4383  
Fax: 514-398-4492

**19.11.6.2 About Mining and Materials Engineering**


Course programs leading to the M.Eng. (Project) degree in Mining or Materials Engineering and the Graduate Diploma in Mining Engineering are also available.

Special programs are available for those holding degrees in subjects other than Materials or Mining Engineering (e.g., Chemical, Civil, or Mechanical Engineering, Chemistry, Physics, Geology).

**section 19.11.6.5: Master of Engineering (M.Eng.): Mining and Materials Engineering (Thesis) (45 credits)**

The M.Eng. (Thesis) degree is open to graduates holding the B.Eng. degree or its equivalent in Materials Engineering, Mining Engineering, or other related engineering fields.

**section 19.11.6.6: Master of Science (M.Sc.): Mining and Materials Engineering (Thesis) (45 credits)**

The M.Sc. (Thesis) degree is open to graduates holding the B.Sc. degree in Chemistry, Materials Science, Physics, Geology, or related fields.

**Direct Transfer from a Master's to a Ph.D.** – Students enrolled in a master's program (Thesis) may transfer into the Ph.D. program without obtaining a master's degree if they have satisfied the following:

1. they have a minimum CGPA of 3.3 for the last two full-time undergraduate years;
2. they have been in the master's program for less than 15 months;
3. they have passed with the minimum CGPA of 3.6 at least three of the required master's courses, and given one seminar with a minimum grade of A-;
4. they have obtained a letter of recommendation from their supervisor.

**Direct Entry from B.Eng. to Ph.D.**

Exceptional B.Eng. graduates may be admitted directly to the Ph.D. program. The Ph.D. 1 students admitted through this process are required to complete at least four graduate-level courses.
M.Eng. (Project) Degrees

section 19.11.6.7: Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) (45 credits)

The Master of Engineering (Project) program (Materials Option) is primarily designed to train people with appropriate engineering or scientific backgrounds to allow them to work effectively in the metals and materials industries. The Master of Engineering (Project) program (Mining Option) is primarily designed for graduates from mining engineering programs who have received adequate academic training in modern mining technology, mineral economics, computer programming, and probabilities and statistics.

section 19.11.6.8: Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) — Environmental Engineering (45 credits)

This interdepartmental graduate program leads to a master’s degree in Environmental Engineering. The objective of the program is to train environmental professionals at an advanced level. The program is designed for individuals with an undergraduate degree in engineering. This Non-Thesis degree falls within the M.Eng. and M.Sc. programs, which are offered in the Departments of Bioresource, Chemical, Civil, and Mining and Materials Engineering. The Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspectives, and awareness of environmental issues through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University. Students are strongly encouraged to consult with the Graduate Program Director prior to enrolling in the program.

section 19.11.6.9: Doctor of Philosophy (Ph.D.); Mining and Materials Engineering

Please consult the Department for more information about the Ph.D.

section 19.11.6.10: Graduate Diploma in Mining Engineering (30 credits)

This program normally requires one academic year of full-time study to complete. Candidates are required to take an integrated group of courses based on their academic background.

19.11.6.3 Mining and Materials Engineering Admission Requirements and Application Procedures

19.11.6.3.1 Admission Requirements

The Graduate Diploma in Mining Engineering is open to graduates with suitable academic standing in any branch of engineering or science. It is designed to provide a sound technical mining engineering background to candidates intending to work in the minerals industry.

The M.Eng. (Thesis) degree is open to graduates holding the B.Eng. degree or its equivalent in Materials Engineering, Mining Engineering, or other related engineering fields.

The M.Sc. (Thesis) degree is open to graduates holding the B.Sc. degree in Chemistry, Materials Science, Physics, Geology, or related fields.

The Master of Engineering (Project) program (Materials Option) is primarily designed to train people with appropriate engineering or scientific backgrounds to allow them to work effectively in the metals and materials industries. Industrial experience is favourably viewed for entrance into the program, but is not considered a necessity.

The Master of Engineering (Project) program (Mining Option) is primarily designed for graduates from mining engineering programs who have received adequate academic training in modern mining technology, mineral economics, computer programming, and probabilities and statistics. Students without this academic training must follow a qualifying term. Industrial experience is favourably viewed for entrance into the program, but is not considered a necessity.

The Master of Engineering (Project) program (Environmental Engineering Option) is also offered.

Ph.D. degree applicants may either be “directly transferred” from the M.Eng. or M.Sc. program (see below) or hold an acceptable master's degree in Materials Engineering, Mining Engineering, or other related fields, or under exceptional circumstances may be admitted directly from the bachelor's degree. In the latter case they are admitted to Ph.D. 1 as opposed to those holding a master's degree that are admitted to Ph.D. 2.

19.11.6.3.2 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. two official copies of transcripts;
3. two letters of reference;
4. CAD$100 application fee;
5. TOEFL test results.

All information is to be submitted directly to the Graduate Coordinator in the Department of Mining and Materials Engineering.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.
### 19.11.6.4 Mining and Materials Engineering Faculty

#### Department Chair
Steve Yue

#### Graduate Program Director
George P. Demopoulos

#### Graduate Program Coordinator
Barbara Hanley

#### Emeritus Professors

John E. Gruzleski; B.Sc., M.Sc.(Qu.), Ph.D.(Tor.), Eng., F.C.I.M., F.A.S.M. (*Gerald G. Hatch Emeritus Professor*)


#### Professors

George P. Demopoulos; Dipl.Eng.(NTU Athens), M.Sc., Ph.D.(McG.), Eng., F.C.I.M. (*Gerald Hatch Faculty Fellow*)

Roussos Dimitrakopoulos; B.Sc.(Thessaloniki), M.Sc.(Alta.), Ph.D.(École Poly., Montr.) (*Canada Research Chair I*)


Raynald Gauvin; B.Eng., Ph.D.(Montr.), Eng.


Faramarz (Ferri) P. Hassani; B.Sc.(Thessaloniki), M.Sc.(Alta.), Ph.D.(École Poly., Montr.) (*George Boyd Webster Professor*)

Hani S. Mitri; B.Sc.(Cairo), M.Eng., Ph.D.(McM.), Eng.

Steve Yue; B.Sc., Ph.D.(Leeds) (*James McGill Professor*) (*Lorne Trottier Chair in Aerospace Engineering*)

#### Associate Professors

Mathieu Brochu; B.Eng.(Laval), Ph.D.(McG.) (*Canada Research Chair II*)

Mainul Hasan; B.Eng.(Dhaka), M.Eng.(Dhahran), Ph.D.(McG.)


Showan Nazhat; B.Eng., M.Sc., Ph.D.(Lond.) (*Gerald Hatch Faculty Fellow*)

Mihriban Pekguleryuz; B.Sc., M.Eng.(Flor.), Ph.D.(McG.)

#### Assistant Professors

Marta Cerruti; B.Sc., Ph.D.(Torino)

Richard Chromik; B.Sc.(Penn. St.), M.Sc., Ph.D.(SUNY, Binghampton)

In-Ho Jung; B.Sc., M.Sc.(POSTECH), Ph.D.(École Poly., Montr.) (*Gerald Hatch Faculty Fellow*)

Nathaniel Quitoriano; B.S.(Calif., Berk.), Ph.D.(MIT)

Kristian Waters; M.Eng., M.Sc.(UMIST), Ph.D.(Birm.)

#### Post-Retirement Professor

Michel L. Bilodeau; B.A.Sc.(Montr.), M.Sc.(A.), Ph.D.(McG.), Eng.

#### Adjunct Professors

Mostafa Benzazouza, Marc Betournay, Martin Bureau, Robin A.L. Drew, Daryoush Emadi, Elhachmi Essadiqi, Carlton Fuerst, Bryn Harris, Ahmad Hemami, Wynand Kleingeld, Eric Lifshin, Joe Stachulak, Serge Vézina
**Lecturers**

John Mossop; B.Eng.(McG.)

Florence Paray; B.Eng.(CSP), M.Eng., Ph.D.(McG.)

**19.11.6.5 Master of Engineering (M.Eng.); Mining and Materials Engineering (Thesis) (45 credits)**

**Thesis Courses (27 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIME 690</td>
<td>6</td>
<td>Thesis Research 1</td>
</tr>
<tr>
<td>MIME 691</td>
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<td>Thesis Research 2</td>
</tr>
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<td>MIME 692</td>
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<td>MIME 693</td>
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<td>Thesis Research 4</td>
</tr>
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<td>MIME 694</td>
<td>6</td>
<td>Thesis Research 5</td>
</tr>
<tr>
<td>MIME 695</td>
<td>3</td>
<td>Thesis Research 6</td>
</tr>
</tbody>
</table>

**Required Seminar (6 credits)**

One of the following courses:

Note: MIME 672D1 and MIME 672D2 should be taken concurrently.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIME 670</td>
<td>6</td>
<td>Research Seminar 1</td>
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<tr>
<td>MIME 672D1</td>
<td>3</td>
<td>Rock Mechanics Seminar</td>
</tr>
<tr>
<td>MIME 672D2</td>
<td>3</td>
<td>Rock Mechanics Seminar</td>
</tr>
<tr>
<td>MIME 673</td>
<td>6</td>
<td>Mining Engineering Seminar</td>
</tr>
</tbody>
</table>

**Required Courses (12 credits)**

Four 3-credit courses or the equivalent.

**19.11.6.6 Master of Science (M.Sc.); Mining and Materials Engineering (Thesis) (45 credits)**

**Thesis Courses (27 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIME 690</td>
<td>6</td>
<td>Thesis Research 1</td>
</tr>
<tr>
<td>MIME 691</td>
<td>3</td>
<td>Thesis Research 2</td>
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<td>MIME 692</td>
<td>6</td>
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<td>MIME 693</td>
<td>3</td>
<td>Thesis Research 4</td>
</tr>
<tr>
<td>MIME 694</td>
<td>6</td>
<td>Thesis Research 5</td>
</tr>
<tr>
<td>MIME 695</td>
<td>3</td>
<td>Thesis Research 6</td>
</tr>
</tbody>
</table>

**Required Seminar (6 credits)**

One of the following:

Note: MIME 672D1 and MIME 672D2 should be taken concurrently.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIME 670</td>
<td>6</td>
<td>Research Seminar 1</td>
</tr>
<tr>
<td>MIME 672D1</td>
<td>3</td>
<td>Rock Mechanics Seminar</td>
</tr>
<tr>
<td>MIME 672D2</td>
<td>3</td>
<td>Rock Mechanics Seminar</td>
</tr>
<tr>
<td>MIME 673</td>
<td>6</td>
<td>Mining Engineering Seminar</td>
</tr>
</tbody>
</table>

**Required Courses (12 credits)**
Four 3-credit courses at the graduate level or the equivalent.

19.11.6.7 Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) (45 credits)

Students registered in this program specialize either in Mining Engineering or Materials Engineering.

**Research Project**

(6-15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIME 628</td>
<td>(6)</td>
<td>Mineral Engineering Project 1</td>
</tr>
<tr>
<td>MIME 629</td>
<td>(6)</td>
<td>Mineral Engineering Project 2</td>
</tr>
<tr>
<td>MIME 634</td>
<td>(3)</td>
<td>Mineral Engineering Project 3</td>
</tr>
<tr>
<td>MIME 682</td>
<td>(3)</td>
<td>Metallurgical/Materials Engineering Project 3</td>
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</tbody>
</table>

**Required Courses (6 credits)**

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIME 670</td>
<td>(6)</td>
<td>Research Seminar 1</td>
</tr>
<tr>
<td>MIME 673</td>
<td>(6)</td>
<td>Mining Engineering Seminar</td>
</tr>
</tbody>
</table>

**Complementary Courses**

(24-33 credits)

12 credits of 500-, 600-, or 700- level MIME courses

12 to 21 credits of 500-, 600-, or 700- level courses from within or, subject to Departmental approval, outside the Department.

19.11.6.8 Master of Engineering (M.Eng.); Mining and Materials Engineering (Non-Thesis) — Environmental Engineering (45 credits)

Students are strongly encouraged to consult with the Graduate Program Director prior to enrolling in this program.

**Research Project (6 credits)**

MIME 628 (6) Mineral Engineering Project 1

**Required Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEE 591</td>
<td>(3)</td>
<td>Environmental Bioremediation</td>
</tr>
<tr>
<td>CIVE 615</td>
<td>(3)</td>
<td>Environmental Engineering Seminar</td>
</tr>
</tbody>
</table>

**Complementary Courses (22 credits)**

(minimum 22 credits)

**Data Analysis Course**

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEMA 611</td>
<td>(3)</td>
<td>Experimental Designs 1</td>
</tr>
<tr>
<td>CIVE 555</td>
<td>(3)</td>
<td>Environmental Data Analysis</td>
</tr>
<tr>
<td>PSYC 650</td>
<td>(3)</td>
<td>Advanced Statistics 1</td>
</tr>
</tbody>
</table>

**Toxicology Course**

One of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCCH 612</td>
<td>(3)</td>
<td>Principles of Toxicology</td>
</tr>
</tbody>
</table>
Water Pollution Engineering Course
One of the following courses:

- CIVE 651 (4) Theory: Water / Wastewater Treatment
- CIVE 652 (4) Biological Treatment: Wastewaters
- CIVE 660 (4) Chemical and Physical Treatment of Waters

Air Pollution Engineering Course
One of the following courses:

- CHEE 592 (3) Industrial Air Pollution Control
- MECH 534 (3) Air Pollution Engineering

Soil and Water Quality Management Course
One of the following courses:

- BREE 533 (3) Water Quality Management
- CIVE 686 (4) Site Remediation

Environmental Impact Course
One of the following courses:

- GEOG 501 (3) Modelling Environmental Systems
- GEOG 551 (3) Environmental Decisions

or an approved 500-, 600-, or 700-level alternative.

Environmental Policy Course

- URBP 506 (3) Environmental Policy and Planning

or an approved 500-, 600-, or 700-level alternative.

Elective Courses (11 credits)
(minimum 11 credits)

Another project course and/or Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval of the Department.

The relevant Project course in Mining and Materials Engineering is the following:

- MIME 629 (6) Mineral Engineering Project 2

19.11.6.9 Doctor of Philosophy (Ph.D.); Mining and Materials Engineering

A candidate for this degree must pass a minimum of two courses assigned by the Department. These are selected on the basis of the student's previous academic training and research interests. The candidate is required to participate in an appropriate Research Seminar course and is expected to take a preliminary examination within the first year of his/her Ph.D. registration.

The candidate must submit an acceptable thesis based upon successfully completed research and must satisfy the examiners in an oral examination of the thesis.

Thesis
Graduate and Postdoctoral Studies Programs, Courses and University Regulations, McGill University

19.11.6.10 Graduate Diploma in Mining Engineering (30 credits)

Required Course (6 credits)

MIME 673 (6) Mining Engineering Seminar

Complementary Courses (24 credits)

24 credits selected in consultation with the Program Adviser.

19.11.7 Urban Planning

19.11.7.1 Location

School of Urban Planning
Macdonald Harrington Building, Room 400
815 Sherbrooke Street West
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-4075
Fax: 514-398-8376
Email: admissions.planning@mcgill.ca
Website: www.mcgill.ca/urbanplanning

19.11.7.2 About Urban Planning

McGill University was the first institution in Canada to offer a full-time planning program, starting in 1947. The School of Urban Planning was created in 1976 as a separate academic unit within the Faculty of Engineering. It shares a heritage building with the School of Architecture, right on the main open space of McGill’s Downtown campus. The School has a strong track record of contributing to urban communities and to the profession of planning. It participates in the study of urban problems and in the formulation of policies and plans in Québec, elsewhere in Canada, and in developing regions. The main objective of the School is to educate professional urban planners for leadership in the public, private, and not-for-profit sectors. It also prepares doctoral students for high-level research and teaching positions. The Master of Urban Planning (M.U.P.) is a two-year program with a strong emphasis on practical work in studio courses. The core program provides a general education in spatial planning in its functional, environmental, and social dimensions. Formal specializations are available in Urban Design and in Transportation Planning. M.U.P. students in the core program may also participate in the Barbados Field Study Semester, which focuses on global environmental issues. Details concerning these concentrations are available at www.tram.mcgill.ca, www.mcgill.ca/urbanplanning, and www.mcgill.ca/bfss respectively.

The School’s teaching and research activities pertain to community planning, environmental policy and planning, international development planning, land-use planning and regulation, transportation planning, and urban design. They occur at the local, national, and international levels and are often done in partnership with other McGill departments (notably Architecture, Civil Engineering, Geography, and Law) and with units at other institutions in Montréal, across Canada, and abroad. The School uses Montreal and its region as its main teaching laboratory, and it enjoys good relationships with the local, professional, and political communities.

Master of Urban Planning (M.U.P.) Program

The Master of Urban Planning (M.U.P.) program is a two-year course of study that attracts students from Québec, Canada, the U.S., and overseas. It is recognized by the Ordre des urbanistes du Québec (O.U.Q.) and the Canadian Institute of Planners (C.I.P.). Graduates may become full members of the O.U.Q. and other provincial planning associations by completing their respective internship and examination requirements. Similar requirements must be met for admission to the American Institute of Certified Planners (A.I.C.P.) and other such organizations.

Urban planning was developed as a profession in the early decades of the twentieth century thanks to joint efforts of architects, landscape architects, engineers, government reformers, lawyers, public-health specialists, and others. Today, students in the M.U.P. program come from diverse backgrounds as well, including the design professions, engineering and applied sciences, environmental and social studies, and other fields; most of them have gained some professional experience after their undergraduate studies. A key feature of planning education is learning to view issues in multidisciplinary ways and to generate equitable and efficient solutions to complex problems of urban change and development. The M.U.P. program was designed with a strong emphasis on project-based learning, i.e., practical work done in teams in a studio setting. About half of the curriculum is devoted to required courses that teach basic knowledge and skills in urban planning; the other half enables students to select courses that match their particular interests. Three studio courses, a summer internship, and a semester-long Supervised Research Project prepare them for professional practice and research. Students participate actively in professors’ research programs or define their own research objectives, sometimes with their own research funding from major agencies (e.g., SSHRC, NSERC, FQSRC, FQRNT).

Graduates of the M.U.P. program work as planners, designers, and policy analysts, and as advocates and mediators, at various levels of government, in civil-society organizations, and with private consulting firms. Their expertise ranges from community planning to transportation planning, from policy-making in housing to computer-assisted decision-making. They devote their efforts in increasing numbers to sustainable development in its environment, social, and economic dimensions.
section 19.11.7.5: Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) (66 credits)

The M.U.P. requires two years of study, including a three-month internship with a member of a recognized planning association. Upon completion, graduates are expected to have acquired basic planning skills, a broad understanding of urban issues, and specialized knowledge in a field of their own choice.

section 19.11.7.6: Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Transportation Planning (66 credits)

The Transportation Planning option enables students to specialize in this field as part of their course of study for the M.U.P. degree. Studio courses, an internship, and a final project involve real-life work that prepares students for the professional practice of Urban Transportation Planning.

section 19.11.7.7: Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Urban Design (66 credits)

NOTE: The Urban Design option is being suspended. Students interested in Urban Design will be able to specialize in this field of practice as part of the core M.U.P. program.

The Urban Design option allows students to specialize in this field as part of their course of study for the M.U.P. degree. Studio courses, an internship, and a final project involve real-life work that prepares students for the professional practice of Urban Design.

19.11.7.3 Urban Planning Admission Requirements and Application Procedures

19.11.7.3.1 Admission Requirements

The M.U.P. degree is open to students holding a bachelor's degree or equivalent in Anthropology, Architecture, Economics, Engineering, Environmental Studies, Geography, Law, Management, Political Science, Social Work, Sociology, or Urban Studies. Students from other backgrounds are considered for admission on an individual basis.

In addition to the documents for admission required by Graduate and Postdoctoral Studies, the following must be submitted:

1. Statement of specific interest in the area of Urban Planning (one to two pages)
2. Curriculum Vitae
3. Portfolio: For architects only, a portfolio containing at least five (5) examples of architectural work accomplished in school and in practice demonstrating creativity and imagination. All applicants interested in the urban design concentration may wish to submit such a portfolio. Portfolios are not to exceed 8½” x 11” in size.
4. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. By the dates for guaranteed consideration, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. The minimum requirement for the TOEFL test is as follows: PBT - 600, iBT - 100, with each component score not less than 23. The minimum score for the IELTS test is 7.0.

19.11.7.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult: www.mcgill.ca/gradapplicants/programs and select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Awards and Financial Assistance

The School offers several fellowships and supports student applications to external grants from provincial and federal agencies. For information regarding awards and financial assistance, please refer to the Graduate Fellowships and Awards Calendar available at www.mcgill.ca/students/courses/calendars.

19.11.7.4 Urban Planning Faculty

Director
Raphaël Fischler

Emeritus Professor
Jane Matthews-Glenn; B.A., LL.B.(Qu.), D. en droit(Stras.)

Associate Professors
Madhav G. Badami; B.Tech., M.S.(IIT, Madras) M.E.Des.(Calg.), Ph.D.(Br. Col.) (joint appt. with McGill School of Environment)
Lisa Bornstein; B.Sc.(Calif., Berk.), M.R.P.(C'nell), Ph.D.(Calif., Berk.)
David F. Brown; B.A.(Bishop's), M.U.P.(McG.), Ph.D.(Sheff.)
Raphaël Fischler; B.Eng.(Eindhoven), M.Sc., M.C.P.(MIT), Ph.D.(Calif., Berk.)
Assistant Professors
Ahmed Elgeneidy; B.A.A., M.Arch.(Alexandria), Ph.D.(Port. St.)
Nik Luka; B.A.A.(Ryerson), M.Arch.(Laval), Ph.D.(Tor.) (joint appt. with School of Architecture)

Adjunct Professors
Cameron Charlebois, David Farley, Mario Polèse, Ray Tomalty

Guest Lecturers
Paul LeCavalier, Marc-André Lechasseur, Brenda Lee, Denis Lévesque, Pierre Morissette, Richard Shearmur, Larry Sherman, Alain Trudeau, Martin Wexler, Joshua Wolfe

19.11.7.5 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) (66 credits)
The M.U.P. requires two years of study including a three-month internship with a member of a recognized planning association.

Research Project (15 credits)
- URBP 630 (3) Supervised Research Project 1
- URBP 631 (6) Supervised Research Project 2
- URBP 632 (6) Supervised Research Project 3

Required Courses (27 credits)
- URBP 609 (3) Planning Graphics
- URBP 612 (3) History and Theory of Planning
- URBP 622 (6) Planning Studio 1
- URBP 623 (3) Planning Studio 2
- URBP 624 (6) Planning Studio 3
- URBP 633 (3) Planning Methods
- URBP 635 (3) Planning Law

Required Internship (6 credits)
- URBP 628 (6) Practical Experience

Complementary Courses
12-18 credits

In choosing courses from the following list, students are encouraged to complete at least one course in each of the four areas of design, environment, housing, and transportation.

- ARCH 515 (3) Sustainable Design
- ARCH 520 (3) Montreal: Urban Morphology
- ARCH 521 (3) Structure of Cities
- ARCH 527 (3) Civic Design
- ARCH 528 (3) History of Housing
- ARCH 529 (3) Housing Theory
- CIVE 540 (3) Urban Transportation Planning
- URBD 602 (3) Urban Design Seminar 1: Foundations
**Elective Courses**

0-6 credits

Students may take courses at the 500- or 600-levels offered by any academic unit at McGill or at another Montreal university if they help students develop an in-depth knowledge of one or more subject areas in the field of planning, with the approval of the School. Frequent choices include courses in real-estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the elective course(s) will be counted toward the M.U.P. degree.

**19.11.7.6 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Transportation Planning (66 credits)**

The Transportation Planning Option enables students to specialize in this field as part of their course of study for the Master of Urban Planning degree (M.U.P.). Studio courses, an internship, and a final project involve real-life work that prepares students for the professional practice of urban transportation planning.

**Research Project (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>URBP 630</td>
<td>3</td>
<td>Supervised Research Project 1</td>
</tr>
<tr>
<td>URBP 631</td>
<td>6</td>
<td>Supervised Research Project 2</td>
</tr>
<tr>
<td>URBP 632</td>
<td>6</td>
<td>Supervised Research Project 3</td>
</tr>
</tbody>
</table>

* Courses open only to students enrolled in the Barbados Field Study Semester.
Required Internship (6 credits)
URBP 628 (6) Practical Experience

Required Courses (33 credits)
URBP 505 (3) Geographic Information Systems
URBP 609 (3) Planning Graphics
URBP 612 (3) History and Theory of Planning
URBP 619 (3) Land Use and Transportation Planning
URBP 622 (6) Planning Studio 1
URBP 623 (3) Planning Studio 2
URBP 624 (6) Planning Studio 3
URBP 633 (3) Planning Methods
URBP 635 (3) Planning Law

Complementary Courses
6-12 credits from the following:
CIVE 540 (3) Urban Transportation Planning
URBP 504 (3) Planning for Active Transportation
URBP 506 (3) Environmental Policy and Planning
URBP 536 (1) Transportation Seminar 1
URBP 537 (1) Transportation Seminar 2
URBP 538 (1) Transportation Seminar 3
URBP 608 (3) Advanced GIS Applications
URBP 620 (3) Transportation Economics

Elective Courses
0-6 credits
Students may take courses at the 500- or 600-level offered by any academic unit at McGill or another Montreal university if they help students develop an in-depth knowledge of one or more subject areas in the field of planning, with the approval of the School. Frequent choices include courses in real-estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the elective course(s) will be counted towards the M.U.P. degree.

19.11.7.7 Master of Urban Planning (M.U.P); Urban Planning (Non-Thesis) — Urban Design (66 credits)
The Urban Design concentration in the professionally-accredited M.U.P. degree enables students to specialize in this area of scholarship and professional practice in their second year of studies. Three studio courses, an internship, two intensive seminar courses, and a final Supervised Research Project in Urban Design enable students to prepare for professional practice as urban design specialists skilled in analysis and design development for existing (sub)urban landscapes and newly-urbanizing contexts. This option is open to students with a professional and/or undergraduate degree in Architecture, Landscape Architecture, Environmental Design, Urban Planning, or related fields. Qualified applicants are admitted to the core M.U.P. program and then apply to be placed in the concentration at the end of their first year of study. Successful applicants must meet the admission requirements for the core M.U.P. program and also demonstrate visual acuity, spatial literacy, and skills in graphic communication during their first two terms of study.

Research Project (15 credits)
URBP 630 (3) Supervised Research Project 1
URBP 631 (6) Supervised Research Project 2
URBP 632 (6) Supervised Research Project 3
### Required Internship (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>URBP 628</td>
<td>(6)</td>
<td>Practical Experience</td>
</tr>
</tbody>
</table>

### Required Courses (33 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>URBD 602</td>
<td>(3)</td>
<td>Urban Design Seminar 1: Foundations</td>
</tr>
<tr>
<td>URBD 604</td>
<td>(3)</td>
<td>Urban Design Seminar 2: Advanced Topics</td>
</tr>
<tr>
<td>URBP 609</td>
<td>(3)</td>
<td>Planning Graphics</td>
</tr>
<tr>
<td>URBP 612</td>
<td>(3)</td>
<td>History and Theory of Planning</td>
</tr>
<tr>
<td>URBP 622</td>
<td>(6)</td>
<td>Planning Studio 1</td>
</tr>
<tr>
<td>URBP 623</td>
<td>(3)</td>
<td>Planning Studio 2</td>
</tr>
<tr>
<td>URBP 624</td>
<td>(6)</td>
<td>Planning Studio 3</td>
</tr>
<tr>
<td>URBP 633</td>
<td>(3)</td>
<td>Planning Methods</td>
</tr>
<tr>
<td>URBP 635</td>
<td>(3)</td>
<td>Planning Law</td>
</tr>
</tbody>
</table>

### Complementary Courses

9-12 credits from the following including at least one ARCH course and one URBP course:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 515</td>
<td>(3)</td>
<td>Sustainable Design</td>
</tr>
<tr>
<td>ARCH 520</td>
<td>(3)</td>
<td>Montreal: Urban Morphology</td>
</tr>
<tr>
<td>ARCH 521</td>
<td>(3)</td>
<td>Structure of Cities</td>
</tr>
<tr>
<td>ARCH 527</td>
<td>(3)</td>
<td>Civic Design</td>
</tr>
<tr>
<td>ARCH 561</td>
<td>(3)</td>
<td>Affordable Housing Seminar 1</td>
</tr>
<tr>
<td>ARCH 562</td>
<td>(3)</td>
<td>Affordable Housing Seminar 2</td>
</tr>
<tr>
<td>ARCH 566</td>
<td>(3)</td>
<td>Cultural Landscapes Seminar</td>
</tr>
<tr>
<td>URBP 504</td>
<td>(3)</td>
<td>Planning for Active Transportation</td>
</tr>
<tr>
<td>URBP 506</td>
<td>(3)</td>
<td>Environmental Policy and Planning</td>
</tr>
<tr>
<td>URBP 530</td>
<td>(3)</td>
<td>Urban Environmental Planning</td>
</tr>
<tr>
<td>URBP 616</td>
<td>(3)</td>
<td>Selected Topics 1</td>
</tr>
<tr>
<td>URBP 619</td>
<td>(3)</td>
<td>Land Use and Transportation Planning</td>
</tr>
</tbody>
</table>

0-3 credits can be selected from other courses at the 500 or 600 levels in any academic unit at McGill or at another university subject to the approval of the School.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCH 515</td>
<td>(3)</td>
<td>Sustainable Design</td>
</tr>
<tr>
<td>ARCH 528</td>
<td>(3)</td>
<td>History of Housing</td>
</tr>
<tr>
<td>ARCH 529</td>
<td>(3)</td>
<td>Housing Theory</td>
</tr>
<tr>
<td>ARCH 550</td>
<td>(3)</td>
<td>Urban Planning and Development</td>
</tr>
<tr>
<td>URBP 501</td>
<td>(2)</td>
<td>Principles and Practice 1</td>
</tr>
<tr>
<td>URBP 505</td>
<td>(3)</td>
<td>Geographic Information Systems</td>
</tr>
<tr>
<td>URBP 530</td>
<td>(3)</td>
<td>Urban Environmental Planning</td>
</tr>
<tr>
<td>URBP 605</td>
<td>(3)</td>
<td>Graduate Seminar</td>
</tr>
<tr>
<td>URBP 607</td>
<td>(3)</td>
<td>Reading Course: Urban Planning</td>
</tr>
<tr>
<td>URBP 617</td>
<td>(3)</td>
<td>Selected Topics 2</td>
</tr>
<tr>
<td>URBP 618</td>
<td>(3)</td>
<td>Selected Topics 3</td>
</tr>
</tbody>
</table>
To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

20.1 Dean's Welcome

20.2 Graduate and Postdoctoral Studies

20.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>Administrative Officers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
</tr>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
<td>Director (Recruitment and Retention)</td>
</tr>
</tbody>
</table>

20.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

20.2.3 General Statement Concerning Higher Degrees
Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

20.3 Important Dates 2011-2012
For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

20.4 Graduate Studies at a Glance
McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

### Agricultural and Environmental Sciences
- section 14.11.1: Agricultural Economics
- section 14.11.2: Animal Science
- section 14.11.3: Bioresource Engineering
- section 14.11.4: Dietetics and Human Nutrition
- section 14.11.5: Food Science and Agricultural Chemistry
- section 14.11.6: Natural Resource Sciences
- section 14.11.7: Parasitology
- section 14.11.8: Plant Science

### Arts
- section 15.11.1: Anthropology
- section 15.11.2: Art History
- Classics, see section 15.11.12: History and Classical Studies
- section 15.11.4: Communication Studies
- section 15.11.5: East Asian Studies
- section 15.11.6: Economics
- section 15.11.7: English
- section 15.11.8: French Language and Literature
- section 15.11.9: Geography
- section 15.11.10: German Studies
- section 15.11.11: Hispanic Studies
- section 15.11.12: History and Classical Studies
- section 15.11.13: Institute for the Study of International Development
- section 15.11.14: Islamic Studies
Arts
  section 15.11.15: Italian Studies
  section 15.11.16: Jewish Studies
  section 15.11.17: Linguistics
  section 15.11.18: Mathematics and Statistics
  section 15.11.19: Philosophy
  section 15.11.20: Political Science
  section 15.11.21: Psychology
  section 15.11.23: Russian and Slavic Studies
  section 15.11.24: Social Studies of Medicine
  section 15.11.25: Social Work
  section 15.11.26: Sociology

Dentistry
  section 16.11.1: Dentistry

Desautels Faculty of Management
  section 17.11: Desautels Faculty of Management

Education
  section 18.11.1: Educational and Counselling Psychology
  section 18.11.2: Information Studies
  section 18.11.3: Integrated Studies in Education
  section 18.11.4: Kinesiology and Physical Education

Engineering
  section 19.11.1: Architecture
  section 19.11.2: Chemical Engineering
  section 19.11.3: Civil Engineering and Applied Mechanics
  section 19.11.4: Electrical and Computer Engineering
  section 19.11.5: Mechanical Engineering
  section 19.11.6: Mining and Materials Engineering
  section 19.11.7: Urban Planning

Law
  section 20.11.1: Law

McGill School of Environment
  section 21.11.1: Environment

Medicine
  section 22.11.1: Anatomy and Cell Biology
  section 22.11.2: Biochemistry
  section 22.11.3: Bioethics
  section 22.11.4: Biomedical Engineering
Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

Graduate Diplomas are offered in:

- Clinical Research (Experimental Medicine)
- Epidemiology and Biostatistics
- Islamic Studies
- Primary Care Nurse Practitioner
- Professional Performance
- Public Accountancy (C.A.)
Graduate Diplomas are offered in:

Library and Information Studies
Mining Engineering
Nursing
Registered Dietician Credentialing (R.D.)
School and Applied Child Psychology (post-Ph.D.)
Surgical Health Care Research

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

Assessing Driving Capabilities
Air and Space Law
Bioresource Engineering (IWRM)
Biotechnology
Comparative Law
Educational Leadership 1
Educational Leadership 2
Library and Information Studies
Post-M.B.A.
Teaching English as a Second Language
Theory in Primary Care
Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

20.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

The following master's degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Master's Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
</tbody>
</table>
### Prerequisites:

The following master’s degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Master's Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

### Master of Architecture Degrees

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

### Master of Arts Degrees

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian

### Master of Business Administration Degrees

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D., C.M.
- M.B.A. with B.C.L. and LL.B.
Master's Degrees in Education


The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis):
  - Counselling Psychology – Professional/Internship (Non-Thesis)
  - Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis):
  - options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
  - option in Gender and Women's Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis):
  - option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project):
  - option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project):
  - option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project):
  - option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project):
  - option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis):
  - options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis):
  - options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis):
  - option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis):
  - option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
Performance (various options) (Non-Thesis)
Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

**Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

**Master's Degrees in Religious Studies**

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

**Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
- Physics
- Physiology; option in Bioinformatics
- Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
- Psychiatry
- Psychology
- Rehabilitation Sciences (Thesis and Non-Thesis)
- Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
- Surgery, Experimental

**Master of Science, Applied, Degrees**
This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

Animal Science
Bioresource Engineering: options in Environment, Environmental Engineering, and Neotropical Environment
Biotechnology
Chemistry
Communication Sciences and Disorders
Human Nutrition
Nursing
Occupational Health
Occupational Therapy
Plant Science
Physical Therapy

Other degrees:

Master of Science, Applied (OT)
Master of Science, Applied (PT)

Master of Social Work Degrees

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

Master of Urban Planning Degree

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

20.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

The following doctoral degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

Doctor of Civil Law Degrees

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

Doctor of Music Degrees

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

Doctor of Philosophy Degrees

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:
Anatomy and Cell Biology
Animal Science; option in Bioinformatics
Anthropology; option in Neotropical Environment
Architecture
Art History; option in Gender and Women's Studies
Atmospheric and Oceanic Sciences
Biochemistry; options in Bioinformatics, and Chemical Biology
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
Biomedical Engineering; option in Bioinformatics
Bioresource Engineering; options in Environment, and Neotropical Environment
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Classics
Communication Studies; option in Gender and Women's Studies
Communication Sciences and Disorders; option in Language Acquisition
Computer Science; option in Bioinformatics
Counselling Psychology
Earth and Planetary Sciences; option in Environment
Economics
Educational Psychology
Educational Studies; option in Gender and Women's Studies
Electrical Engineering
English
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics
Food Science and Agricultural Chemistry
French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)
Management (McGill/Concordia/H.E.C./UQAM)
Social Work (McGill/Université de Montréal)

20.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

20.5 Program Requirements

20.5.1 Master's Degrees

Residence Requirements – Master’s Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a minimum residence requirement of four full-time terms: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master’s Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study. The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master’s Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and
Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

20.5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early as possible in their program.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become proficient in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.
Thesis Oral Examination – Doctoral

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate’s department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate’s department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

20.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

20.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

20.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

20.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

20.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to, transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).
It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired. Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

20.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

20.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

20.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language); minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
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McGill University, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012
(Published September 13, 2011)
Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted. In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.
Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

20.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


20.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

20.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimpl/js/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.
20.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

20.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

20.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status
   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

3. Appointment, Pay, Agreement of Conditions
   i. Appointments may not exceed your registration eligibility status.

   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

   iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

   v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges
   i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

   ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

   iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering
the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

– to verify the Postdoc’s eligibility period for registration;
– to provide Postdocs with departmental policy and procedures that pertain to them;
– to oversee the registration and appointment of Postdocs;
– to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
– to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
– to include Postdocs in departmental career and placement opportunities;
– to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

– to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
– to provide research guidance;
– to meet regularly with their Postdocs;
– to provide feedback on research submitted by the Postdocs;
– to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
– to provide mentorship for career development;
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.
20.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

20.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca gps/docs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

20.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you may perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.
20.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

20.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

   i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

   ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

   i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

   ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

   iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

   iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

   v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, seminar or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

   vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).
vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

20.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.
5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

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### 20.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

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### 20.9.4 Ph.D. Comprehensives Policy

**Preamble**

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. **General Policy**

   At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. **All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)**

**Specific Issues**

**Objectives and Content**

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**
The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see [www.mcgill.ca/students/srr/honest](http://www.mcgill.ca/students/srr/honest) for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see [the Handbook on Students Rights and Responsibilities](http://www.mcgill.ca/secretariat/policies/students)) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

**i. Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

**ii. Plagiarism**

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

**iii. Review and Reassessment**

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

**Other Relevant Policies/Offices**
Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader’s task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student’s and the instructor’s names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students’ Rights that the review be impartial. The rereader’s name will not be made known to the student or instructor at any time; the student’s name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.
20.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student’s inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

20.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

20.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

20.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

20.10.1 Policy on Research Ethics

20.10.2 Regulations on Research Policy


20.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

20.10.4 Guidelines for Research Involving Human Subjects


20.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

20.10.6 Policy on Intellectual Property


20.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictsofinterest.

20.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafty.

20.10.9 Office of Sponsored Research


20.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

20.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

20.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

20.11.1 Law

20.11.1.1 Location

Faculty of Law
Graduate Programs in Law
New Chancellor Day Hall
3644 Peel Street, Room 406
Montreal, QC H3A 1W9
Canada

Telephone: 514-398-6635
Fax: 514-398-8453
GRADUATE AND POSTDOCTORAL STUDIES PROGRAMS, COURSES AND UNIVERSITY REGULATIONS

Email: grad.law@mcgill.ca
Website: www.mcgill.ca/law

Associate Dean (Graduate Studies) – Rosalie Jukier

20.11.1.2 About Law

Graduate students in Law at McGill have one thing in common: a sharp curiosity to explore ideas and projects in an environment that is uniquely comparative and pluralist.

The extensive and impressive history of graduate teaching and supervision at McGill, combined with the innovations in legal pedagogy for which the Faculty of Law is celebrated, create an unrivalled quality and experience for graduate students. Grounded in Montreal, a city which embodies a lively mix of languages, cultures, and communities, the Faculty of Law invites students pursuing their D.C.L. and LL.M. degrees to discover and write within a community of legal scholars that is internationally renowned and engaging.

McGill Law is a meeting place for the major languages of North America, for the world’s legal traditions, and for students who wish to participate in the graduate life of a truly outstanding, prestigious, and intellectually vibrant Faculty of Law.

The Faculty of Law offers a range of programs at the graduate level. These include the degrees of Master of Laws (LL.M.) with Thesis and Non-Thesis options, and Doctor of Civil Law (D.C.L.), as well as Graduate Certificates.

Students may choose to pursue either the LL.M. or the D.C.L. in the Faculty of Law, the Institute of Air and Space Law (IASL), or the Institute of Comparative Law (ICL). Graduate Certificates may only be completed within either the IASL or the ICL.

The Faculty of Law promotes study and research in private, commercial, international, and public law, as well as legal theory, from the perspectives of diverse legal traditions. In collaboration with the McGill School of Environment, the Faculty offers an LL.M. Thesis or Non-Thesis option in Environment. The Faculty also offers two other options within the LL.M. degree, a cross-disciplinary European Studies Option (ESO) in collaboration with the Faculty of Arts, and a specialization in Bioethics. The D.C.L. degree always involves a substantial thesis.

The Institute of Air and Space Law operates within the Faculty of Law. The Institute offers a curriculum exploring legal issues that arise from international civil aviation and new technologies in space. It provides students with a comprehensive understanding of the legal processes regulating worldwide aerospace activities. The Institute offers the degrees of Master of Laws (LL.M.) with Thesis and Non-Thesis and Doctor of Civil Law (D.C.L.), and a Graduate Certificate in Air and Space Law.

The Institute of Comparative Law operates within the Faculty of Law as a centre of comparative legal studies. It accommodates national, international, and transnational studies and encourages openness to diverse legal cultures in teaching and research. The Institute offers the degrees of Master of Laws (LL.M.) with Thesis and Non-Thesis and of Doctor of Civil Law (D.C.L.), and a Graduate Certificate in Comparative Law.

Doctor of Civil Law (D.C.L.) Degrees

section 20.11.1.5: Doctor of Civil Law (D.C.L.)

The Doctor of Civil Law program is centered around the doctoral thesis which develops a substantive and original contribution to legal research and knowledge under the supervision of a faculty member. Many doctoral candidates intend on pursuing an academic career, and develop their approach to pedagogy, research, and writing while at McGill.

section 20.11.1.6: Doctor of Civil Law (D.C.L.); Air and Space Law

The Doctor of Civil Law in the Institute of Air and Space Law is a research degree ideal for scholars intent on deepening and broadening their critical understanding of the law, as well as their original engagement with it. Students must successfully complete a comprehensive examination to be done at the end of the first year, or during the second year of the D.C.L. program. The principal basis for evaluation is a doctoral thesis of up to 400 pages. It must constitute significant contribution to legal knowledge, evidencing in concept and execution the original work of the candidate.

section 20.11.1.7: Doctor of Civil Law (D.C.L.); Comparative Law

The Institute of Comparative Law welcomes doctoral students studying within the McGill Faculty of Law. ICL students are encouraged to think about the nature and value of comparative scholarship both through the courses that they take (particularly the Legal Traditions course, which is required for all ICL students), and through their doctoral thesis. Study within the ICL is ideally suited to students who have a background or a desire to pursue research in the field of comparative law, broadly defined. As such, ICL student members are encouraged and given opportunities to explore how juridical analyses are enriched through openness to learning from diversity in research methods, theoretical frameworks, legal traditions and doctrines, languages, and disciplinary perspectives.

Master of Laws (LL.M.) Degrees

section 20.11.1.8: Master of Laws (LL.M.); Law (Thesis) (45 credits)

The LL.M. Thesis program is geared towards students who wish to continue their legal education primarily through research, as the program concentrates on the production of a 30,000 word thesis, as well as some graduate level coursework.
section 20.11.1.9: Master of Laws (LL.M.); Law (Thesis); Bioethics (45 credits)

The Master’s specialization in Bioethics is an interdisciplinary program that emphasizes both the conceptual and practical aspects of Bioethics. Students apply through either the Faculty of Law, Medicine, Religious Studies, or the Department of Philosophy. Students entering pursuing an LL.M., Bioethics, are bound by the requirements of the Faculty of Law’s LL.M. program (thesis option only).

section 20.11.1.10: Master of Laws (LL.M.); Law (Thesis); Environment (45 credits)

The Environmental Studies Option is a cross-disciplinary option offered in conjunction with the School of the Environment within the LL.M. (Thesis or Non-Thesis) providing students with an appreciation of the role of science, politics, and ethics in informing decision-making in the environment sector.

section 20.11.1.11: Master of Laws (LL.M.); Law (Thesis); European Studies (46 credits)

The European Studies Option (ESO) is a cross-disciplinary program offered as an option within the existing LL.M. Thesis program. This option is open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood.

section 20.11.1.12: Master of Laws (LL.M.); Law (Non-Thesis) (45 credits)

The LL.M. Non-thesis program is geared towards students who wish to continue their legal education largely through graduate level coursework. The program requires two terms of coursework as well as a 15,000 word research project.

section 20.11.1.13: Master of Laws (LL.M.); Law (Non-Thesis); Environment (45 credits)

The Environmental Studies Option is a cross-disciplinary option offered in conjunction with the School of Environment within the LL.M. (Thesis or Non-Thesis) providing students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have.

Institute of Air and Space Law

section 20.11.1.14: Master of Laws (LL.M.); Law (Thesis); Air and Space Law (45 credits)

The LL.M. Thesis program in the Institute of Air and Space Law is available to qualifying applicants holding a bachelor’s law degree who wish to focus on original scholarly research and writing under the supervision of a law professor. This program involves 20 credits in coursework and 25 research credits (a thesis of 100-150 pages). The thesis must show familiarity with previous work in the field and demonstrate the student’s capacity for independent analysis, writing skills, and organization.

section 20.11.1.15: Master of Laws (LL.M.); Law (Non-Thesis); Air and Space Law (45 credits)

The LL.M. Non-Thesis program in the Institute of Air and Space Law is available to qualifying applicants holding a bachelor’s law degree who wish to gain a wide exposure to a range of taught courses within, and related to, the domain of Air and Space Law. The Non-Thesis option requires a substantial Supervised Research Project (18 credits), with the remaining 27 credits earned in courses.

Institute of Comparative Law

section 20.11.1.16: Master of Laws (LL.M.); Law (Thesis); Comparative Law (45 credits)

The Institute of Comparative Law welcomes master’s students studying within the McGill Faculty of Law. ICL students are encouraged to think about the nature and value of comparative scholarship both through the courses that they take (particularly the Legal Traditions course, which is required for all ICL students) and through their Master’s thesis. Study within the ICL is ideally suited to students who have a background in or a desire to pursue research in the field of comparative law, broadly defined. As such, ICL student members are encouraged and given opportunities to explore how juridical analyses are enriched through openness to learning from diversity in research methods, theoretical frameworks, legal traditions and doctrines, languages, and disciplinary perspectives.

section 20.11.1.17: Master of Laws (LL.M.); Law (Non-Thesis); Comparative Law (45 credits)

The Institute of Comparative Law welcomes master’s students studying within the McGill Faculty of Law. ICL students are encouraged to think about the nature and value of comparative scholarship both through the courses that they take (particularly the Legal Traditions course, which is required for all ICL students) and through their individual Master’s supervised research project (for LL.M. Master’s Non-Thesis students). Study within the ICL is ideally suited to students who have a background in or a desire to pursue research in the field of comparative law, broadly defined. As such, ICL student members are encouraged and given opportunities to explore how juridical analyses are enriched through openness to learning from diversity in research methods, theoretical frameworks, legal traditions and doctrines, languages, and disciplinary perspectives.

Graduate Certificates in Law
section 20.11.1.18: Graduate Certificate in Air and Space Law (15 credits)

The Graduate Certificate in Air and Space Law is a coursework program with a limited research and writing requirement. It is particularly appropriate for students with a strong professional orientation who do not wish to write a thesis. This certificate is particularly appropriate for jurists and other professionals who wish to pursue graduate-level legal studies in aviation, air and space law, government regulations, conventions and treaties dealing with these areas.

section 20.11.1.19: Graduate Certificate in Comparative Law (15 credits)

The Graduate Certificate in Comparative Law provides advanced training in subjects within the scope of the ICL to candidates who do not wish to undertake the Master's degree. The Graduate Certificate is particularly appropriate for judges, law professors, and legal practitioners from countries undergoing substantial legal reform (such as post-Communist or developing countries) who wish to pursue advanced studies in areas such as civil, commercial, or human rights law.

20.11.1.3 Law Admission Requirements and Application Procedures

20.11.1.3.1 Admission Requirements

The Graduate Admissions Committee of the Faculty of Law reviews applications and makes recommendations regarding admission to Graduate and Postdoctoral Studies (GPS), which makes the final admissions decisions.

For information and application forms, please consult the Faculty website www.mcgill.ca/law-admissions/graduates/admissions or contact the Graduate Programs Office in Law, McGill University, at the Departmental address, or via email at grad.law@mcgill.ca, and telephone 514-398-6635.

Language Requirement

Graduate-level courses are generally offered in English, and English-language abilities must be demonstrated for admission. In order to communicate fully with all law students at McGill, and to understand all course materials, the ability to speak and read French is an asset. At McGill's Faculty of Law, all students may choose to write essays, examinations, and theses in English or French.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian or American (English or French) institution, must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL, IELTS, MELAB, ESOL, or EDXCEL offices. An institutional version of the TOEFL is not acceptable. For an application to be considered, a TOEFL, IELTS, MELAB, ESOL, or EDXCEL test result, McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication must be available.

Generally, successful applicants to our LL.M. and D.C.L. programs typically report scores of at least 100 on the TOEFL (iBT), 600 on the TOEFL (PBT), 250 on the TOEFL (CBT), a band score of 7.0 or greater on the IELTS, a mark of 85 or higher on the MELAB, a grade of “A” (Excellent) on the ESOL (CAE), a grade of “B” (Good) or higher on the ESOL (CPE), an overall grade of at least “Distinction” on the EDXCEL (Level 4) or an overall grade of at least “Merit” on the EDXCEL (Level 5).

In all programs, non-Canadian applicants whose mother tongue is French must achieve a minimum TOEFL score of 567 (227 paper-based or 86 on the Internet-based test, with each component score not less than 20) or an IELTS score of 7.0 overall band. This is because McGill students can write essays, examinations and theses in French, even where the course is taught in English. Note that the majority of courses in Graduate Programs in Law are taught in English.

For information about the TOEFL, and to register to take the test, see www.toefl.org. For information about the IELTS, see www.ielts.org. There may be a lengthy delay for registration, and it takes approximately 40 days to communicate the results. For both tests, the official results should be sent directly from the testing institution to Graduate Programs in Law. For the TOEFL, McGill's institutional code is 0935 and Law's departmental code is 03. These codes must be provided to TOEFL when requesting a test report form. For the IELTS, applicants must ask for an official report to be sent to Graduate Programs in Law at the Graduate Programs' departmental address. These tests must be taken sufficiently early for results to reach McGill no later than February 1 of the year of admission. Application files must be completed by that date to be considered.

French: The ability to speak or read French is an asset but not a necessity. In areas such as the study of private law in the civilian tradition or comparative private law, a reading knowledge of French is essential. Applicants should indicate their knowledge of French on the admissions questionnaire; they will be notified if French is essential to the area of study.

D.C.L. Degree

Applicants demonstrating outstanding academic ability will be considered for admission to the Doctoral program.

Admission to the D.C.L. program occurs only when:

a. the candidate has completed a graduate law degree with thesis at McGill or at another university, and

b. the Graduate Admissions Committee is satisfied that the quality of his or her previous research is sufficient to justify admission to a doctoral program.

Review of the completed master’s thesis is normally part of the admission decision-making process. Exceptionally, a candidate with a non-thesis master's degree with an outstanding file may be admitted to the doctoral program.

Master's Degrees

Candidates for admission to the LL.M. program must hold a Bachelor of Laws (LL.B.) degree, or its equivalent, with at least Upper Second Class honours or the equivalent of 3.0/4.0 cumulative grade point average. However, this standing does not guarantee admission; the Graduate Admissions Committee weighs the entire file, including the applicant's references and the quality of the research proposal.
Furthermore, in the case of thesis programs, the Committee must consider the availability of a supervisor. If a supervisor is not available in the applicant's preferred field of study, the applicant may be refused admission or else offered admission pending a change of field of study.

**LL.M. Interdisciplinary Options in Environment and European Studies**

Students who apply for admission to the LL.M. Thesis or Non-Thesis program at the Faculty of Law may specify an interest in these options.

**LL.M. Specialization in Bioethics**

Requirements for admission to the Master's program in Bioethics from the base discipline Law are the same as for admission to the LL.M.

For further information, see the Bioethics section of this publication, or contact the Chair, Master’s Specialization in Bioethics, Biomedical Ethics Unit, 3647 Peel Street, Montreal, QC, H3A 1W9. Telephone: 514-398-6980; fax: 514-398-8349; email: kathleen.glass@mcgill.ca.

2011.13.16 Graduate Certificate Programs

The requirements for admission to the Graduate Certificate programs are essentially the same as for the master's programs, except that greater weight may be placed on professional experience.

**Graduate Certificate in Air and Space Law**

Candidates desiring a Graduate Certificate in Air and Space Law who do not hold a law degree may be admitted if they have earned an undergraduate university degree in another discipline and possess sufficient professional experience to compensate for the lack of a law degree (as determined by the Graduate Admissions Committee).

The Graduate Certificate is awarded after at least one term of residence in the Faculty and upon completion of a minimum of 15 academic credits of law courses. Those credits must include the three Air and Space law courses obligatory for master's students (ASPL 633 Public International Air Law, ASPL 636 Private International Air Law, and ASPL 637 Space Law: General Principles), which are all offered in the Fall term. Students may take courses beyond the minimum of 15 credits, and these additional courses may be non-law courses. Graduate Certificate students often remain in residence for both terms and take all of the Air and Space Law courses.

**Graduate Certificate in Comparative Law**

The Graduate Certificate is awarded after at least one term of residence in the Faculty upon completion of a minimum of 15 course credits. In every case, the program is structured to meet individual needs and must be approved by the Associate Dean (Graduate Studies).

**Note:** ALL international students, whether or not they plan on completing the program in one semester, must apply for a student visa. Non-Canadians must obtain permission to study from the governments of Quebec and Canada. Immigration Quebec issues the Certificate of Acceptance of Quebec (CAQ) and Citizenship and Immigration Canada issues federal Study Permits. You may also wish to contact www.mcgill.ca/internationalstudents/ for assistance.

2011.13.2 Application Procedures

To apply for admission to a graduate-level Law program, please provide the following:

1. Application form with $100 application fee (non-refundable) payable by credit card.
2. Statement of academic program.
3. Official transcripts and proof of degree.
4. Certified translations of transcripts and proof of degree (if not written in French or English).
5. Official university grading system.
6. Two letters of recommendation on official letterhead and Referee's Report Forms from academic referees (sent directly by the referee to Graduate Programs in Law). For more information, consult www.mcgill.ca/law-admissions/graduates/admissions/deadlines/#LETTERS.
7. Official TOEFL, IELTS, MELAB, ESOL or EDEXCEL score report (sent directly by the testing organization), a McGill Certificate of Proficiency in English or McGill Certificate of Proficiency - English for Professional Communication.
8. Applicants must submit a résumé.
9. Two recent passport photographs.

McGill's online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants. Documents corresponding to numbers 2-5 and 8-9 should be sent to the Coordinator, Graduate Programs in Law, at the Departmental address.

**Dates for Guaranteed Consideration**

The Date for Guaranteed Consideration for all graduate law programs (LL.M., D.C.L., Graduate Certificates) is January 15th. Although McGill continues to accept applications until June 30th (April 30th for international applicants) for the Fall term, the Faculty of Law will not consider applications received on or after January 16th.

**Note:** The application fee remains non-refundable.

McGill Graduate Law offers September entrance only; the Faculty is not willing to consider applications for Winter and Summer. Applications submitted for the Winter and Summer terms will be cancelled by the Faculty of Law WITHOUT reimbursement of the application fee.

**Note:** The application fee remains non-refundable.
20.11.1.4 Course Selection (Graduate and Postdoctoral Law Programs)

It should be noted that not all courses are offered in each year. Students wishing to pursue research topics outside of these particular fields are welcome to do so, subject to the availability of appropriate thesis supervisors.

The graduate-level Law courses are grouped into four inter-related concentrations.

20.11.1.4.1 Legal Traditions and Legal Theory

This concentration combines two areas of strength: the coexistence of diverse legal traditions, particularly (but not exclusively) the civil and common law, and the awareness of the importance of theoretical approaches to law as a means of understanding both the internal dynamic of legal phenomena and their relationship to other social phenomena.

Courses offered within this concentration may include:

- Aboriginal Peoples and the Law (CMPL 500)
- Advanced Criminal Law (PUB2 501)
- Advanced Jurisprudence (CMPL 505)
- Canadian Legal History (CMPL 547)
- Canon Law (CMPL 502)
- Civil Law Perspectives (CMPL 601)
- Common Law Perspectives (CMPL 602)
- Comparative Modern Legal History (CMPL 519)
- Feminist Legal Theory (CMPL 504)
- Human Rights and Cultural Diversity (CMPL 603)
- Interdisciplinary Seminar in European Studies (CMPL 659)
- Jurisprudence (CMPL 501)
- Legal Education Seminar (LAWG 525)
- Legal Theory (CMPL 506)
- Legal Traditions (CMPL 600)
- Linguistic and Literary Approaches to Law (CMPL 507)
- Research Seminars (CMPL 508 & CMPL 509)
- Restitution (PRV4 500)
- Roman Law (CMPL 510)
- Sentencing in Canadian Law (PUB2 504)
- Social Diversity and Law (CMPL 511)
- Talmudic Law (CMPL 513)
- Theoretical Approaches to Law (CMPL 641)

20.11.1.4.2 International Business Law

The ICL pioneered the first graduate concentration in international business law in Canada. This field has practical significance in international business relations and also provides opportunities to apply experience derived from multiple legal systems to the development of multi-jurisdictional, “international” commercial rules.

Courses offered within this concentration may include:

- Airline Business and Law (ASPL 614)
- Comparative Air Law (ASPL 632)
- Comparative Legal Institutions (CMPL 517)
- Copyright and Trademark Theory (BUS2 500)
- Corporate Finance (BUS2 505)
- European Community Law 1 (CMPL 536)
- European Community Law 2 (CMPL 537)
**Courses offered within this concentration may include:**

- Government Control of Business (CMPL 574)
- Government Regulation of Space Activities (ASPL 639)
- Intellectual and Industrial Property (BUS2 502)
- International Business Law (CMPL 604)
- International Carriage of Goods by Sea (CMPL 515)
- International Development Law (CMPL 516)
- International Environmental Law and Politics (CMPL 546)
- International and Domestic Documentary Sales (CMPL 544)
- International Maritime Conventions (CMPL 553)
- International Securities Markets (CMPL 545)
- International Taxation (CMPL 539)
- Law and Practice of International Trade (CMPL 543)
- Law of Space Applications (ASPL 638)
- Patent Theory and Policy (BUS2 501)
- Private International Air Law (ASPL 636)
- Public International Air Law (ASPL 633)
- Research Seminars (CMPL 508 & CMPL 509)
- Resolution of International Disputes (CMPL 533)
- Securities Regulation (BUS2 504)

**20.11.1.4.3 Human Rights and Cultural Diversity**

Building on the Faculty's strength in public law, this concentration promotes the comparative study of human rights law. It provides students with opportunities to reflect critically on the emergence and institutionalization of human rights norms in both domestic and international settings and to explore complexities arising from cultural diversity.

**Courses offered within this concentration may include:**

- Aboriginal Peoples and the Law (CMPL 500)
- Advanced Criminal Law (PUB2 501)
- Children and the Law (PRV2 456)
- Discrimination and the Law (CMPL 575)
- Human Rights & Cultural Diversity (CMPL 603)
- International Criminal Law (PUB2 502)
- International Humanitarian Law (CMPL 565)
- International Law of Human Rights (CMPL 571)
- Law & Psychiatry (PUB2 500)
- Research Seminars (CMPL 508 & CMPL 509)
- Social Diversity and Law (CMPL 511)

**20.11.1.4.4 Regulation, Technology and Society**

This concentration focuses on the comparative and interdisciplinary study of legal regulation in areas of rapid technological change. It encourages critical reflection on notions of the public interest and its protection in areas as diverse as the biomedical sciences, the environment, the growth of computer networks, and the commercial exploitation of space.

**Courses offered within this concentration may include:**

- Communications Law (CMPL 577)
- Comparative Medical Law (CMPL 551)
Courses offered within this concentration may include:

- Computers and the Law (CMPL 578)
- Environment and the Law (CMPL 580)
- Government Control of Business (CMPL 574)
- Intellectual and Industrial Property (BUS2 502)
- International Environmental Law (CMPL 546)
- Land Use Planning (PRV4 145)
- Law and Healthcare (CMPL 642)
- Law and Psychiatry (PUB2 500)
- Medical Liability (CMPL 522)
- Policies, Politics and Legislative Process (CMPL 518)
- Regulation, Technology / Society (CMPL 605)
- Research Seminars (CMPL 508 & CMPL 509)
- Trade Regulation (CMPL 521)

20.11.1.5 Doctor of Civil Law (D.C.L.)

The Doctor of Civil Law (D.C.L.) program allows for the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member. Doctoral candidates normally plan to pursue an academic career and develop their approach to pedagogy, research, and writing while at McGill.

D.C.L. candidates may be associated with the Centre for Human Rights and Legal Pluralism, the Quebec Research Centre of Private and Comparative Law, the Centre for Intellectual Property Policy, or one of the specialized Research Chairs at the Faculty of Law. For more information, see our website: http://www.mcgill.ca/law-gradprograms/programs/dcl/.

The degree will be awarded, at the earliest, after the completion of three years of residence in the Faculty. In the case of a candidate holding an LL.M. from McGill or an equivalent degree from another university, the residency requirement may be reduced to two years of study beyond the Master's degree, with the approval of the Graduate and Postdoctoral Studies Office, upon recommendation of the Graduate Studies Committee of the Faculty of Law.

The core of the D.C.L. program is a substantial thesis of up to 400 pages that makes a significant contribution to legal scholarship, evidencing in concept and execution the original work of the candidate. Its form must be suitable for publication. The thesis must be submitted within four years of completion of the residency requirement.

Comprehensive - Required

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

LAWG 701  (0)  Comprehensive Exam - Law

Required Course

CMPL 641  (4)  Theoretical Approaches to Law

Complementary Course

Students are encouraged to take:

CMPL 610  (4)  Legal Research Methodology

20.11.1.6 Doctor of Civil Law (D.C.L.); Air and Space Law

The Institute of Air and Space Law offers a D.C.L. program in Air and Space Law, which allows for the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member. Doctoral candidates normally plan to pursue an academic career and develop their approach to pedagogy, research, and writing while at McGill.

The degree will be awarded, at the earliest, after the completion of three years of residence in the Faculty. In the case of a candidate holding an LL.M. from McGill or an equivalent degree from another university, the residency requirement may be reduced to two years of study beyond the Master's degree, with the approval of the Graduate and Postdoctoral Studies Office, upon recommendation of the Graduate Studies Committee of the Faculty of Law.
The core of the D.C.L. program is a substantial thesis of up to 400 pages that makes a significant contribution to legal scholarship, evidencing in concept and execution the original work of the candidate. Its form must be suitable for publication. The thesis must be submitted within four years of completion of the residency requirement.

**Comprehensive - Required**

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

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<tr>
<th>Course Code</th>
<th>Credit Hours</th>
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<tr>
<td>ASPL 701</td>
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<td>Comprehensive - Air/Space Law</td>
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</table>

**Complementary Courses**

Students are encouraged to take:

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<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CMPL 610</td>
<td>4</td>
<td>Legal Research Methodology</td>
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<tr>
<td>CMPL 641</td>
<td>4</td>
<td>Theoretical Approaches to Law</td>
</tr>
</tbody>
</table>

**20.11.1.7 Doctor of Civil Law (D.C.L.); Comparative Law**

The Institute of Comparative Law offers the D.C.L. program in Comparative Law, which allows for the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member. Doctoral candidates normally plan to pursue an academic career and develop their approach to pedagogy, research, and writing while at McGill.

D.C.L. candidates in the ICL may be associated with the Centre for Human Rights and Legal Pluralism, the Quebec Research Centre of Private and Comparative Law, the Centre for Intellectual Property Policy, or one of the specialized Research Chairs at the Faculty of Law. For more information, see our website: http://www.mcgill.ca/law-gradprograms/programs/dcl/.

The degree will be awarded, at the earliest, after the completion of three years of residence in the Faculty. In the case of a candidate holding an LL.M. from McGill or an equivalent degree from another university, the residency requirement may be reduced to two years of study beyond the Master's degree, with the approval of the Graduate and Postdoctoral Studies Office, upon recommendation of the Graduate Studies Committee of the Faculty of Law.

The core of the D.C.L. program is a substantial thesis of up to 400 pages that makes a significant contribution to legal scholarship, evidencing in concept and execution the original work of the candidate. Its form must be suitable for publication. The thesis must be submitted within four years of completion of the residency requirement.

**Comprehensive - Required**

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

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<th>Course Code</th>
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<tr>
<td>CMPL 701</td>
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<td>Comprehensive Examination-Comparative Law</td>
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**Required Course**

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<tbody>
<tr>
<td>CMPL 641</td>
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<td>Theoretical Approaches to Law</td>
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**Complementary Course**

Students are encouraged to take:

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<tr>
<th>Course Code</th>
<th>Credit Hours</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CMPL 610</td>
<td>4</td>
<td>Legal Research Methodology</td>
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</table>

**20.11.1.8 Master of Laws (LL.M.); Law (Thesis) (45 credits)**

The 45-credit LL.M. program, thesis option, is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

LL.M. candidates may be associated with the Centre for Human Rights and Legal Pluralism, the Quebec Research Centre of Private and Comparative Law, the Centre for Intellectual Property Policy, or one of the specialized Research Chairs at the Faculty of Law. For more information, see our Website: http://www.mcgill.ca/law-gradprograms/programs/llm/.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

**Thesis Courses (30 credits)**
As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

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<tr>
<th>Course Code</th>
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<th>Course Title</th>
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<tr>
<td>CMPL 612</td>
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<td>Master's Thesis 2</td>
</tr>
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<td>CMPL 614</td>
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</tr>
<tr>
<td>CMPL 615</td>
<td>6</td>
<td>Master's Thesis 4</td>
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<td>CMPL 616</td>
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</tr>
<tr>
<td>CMPL 617</td>
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<td>Master's Thesis 6</td>
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**Required Courses (8 credits)**

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<td>CMPL 610</td>
<td>4</td>
<td>Legal Research Methodology</td>
</tr>
<tr>
<td>CMPL 641</td>
<td>4</td>
<td>Theoretical Approaches to Law</td>
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</table>

**Complementary Courses (7 credits)**

The remaining 7 credits (or fewer if more credits are earned for the Master's Thesis) are chosen from among Faculty offerings at the 500 and 600 level.

**Additional Thesis Courses**

With the approval of the Associate Dean (Graduate Studies) and the Graduate and Postdoctoral Studies Office (GPSO), students may take up to an additional 3 credits of thesis courses by completing one or both of:

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<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CMPL 618</td>
<td>2</td>
<td>Master's Thesis 7</td>
</tr>
<tr>
<td>CMPL 619</td>
<td>1</td>
<td>Master's Thesis 8</td>
</tr>
</tbody>
</table>

**20.11.1.9 Master of Laws (LL.M.); Law (Thesis); Bioethics (45 credits)**

The 45-credit LL.M. program, thesis option, in Bioethics is a research-intensive, interdisciplinary, graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

Students following the Bioethics option come from the Faculties of Law, Medicine, Religious Studies, or the Department of Philosophy. Students entering pursuing an LL.M., Bioethics, are bound by the requirements of the Faculty of Law's LL.M. program (thesis option). For further information regarding this program, please refer to the Bioethics section. See http://www.mcgill.ca/biomedicalethicsunit/.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

**Thesis Courses (24 credits)**

The Master's Thesis programs consist of a coursework component and a thesis of approximately 100 pages. As part of the thesis requirement, a candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

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<tr>
<th>Course Code</th>
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<tr>
<td>BIOE 690</td>
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<tr>
<td>BIOE 691</td>
<td>3</td>
<td>M.Sc. Thesis Research Proposal</td>
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<tr>
<td>BIOE 693</td>
<td>12</td>
<td>M.Sc. Thesis</td>
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</table>

**Required Courses (10 credits)**

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<tbody>
<tr>
<td>BIOE 680</td>
<td>3</td>
<td>Bioethical Theory</td>
</tr>
<tr>
<td>BIOE 681</td>
<td>3</td>
<td>Bioethics Practicum</td>
</tr>
</tbody>
</table>
CMPL 641 (4) Theoretical Approaches to Law

Complementary Courses (11 credits)
One of the following:

BIOE 682 (3) Medical Basis of Bioethics
CMPL 642 (3) Law and Health Care
PHIL 543 (3) Seminar: Medical Ethics
RELG 571 (3) Religion and Medicine

8-9 credits at the 500-level or above of Faculty of Law courses or Bioethics courses.

20.11.1.10 Master of Laws (LL.M.); Law (Thesis); Environment (45 credits)
The Faculty of Law together with the School of Environment and other units at McGill offers a 45-credit LL.M. program, thesis option, in Environment. This is a research-intensive, interdisciplinary, graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate’s research interests complete the program’s credit requirements.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (29 credits)
As part of the course Master’s Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

CMPL 612 (3) Master’s Thesis 1
CMPL 613 (3) Master’s Thesis 2
CMPL 614 (3) Master’s Thesis 3
CMPL 615 (6) Master’s Thesis 4
CMPL 616 (12) Master’s Thesis 5
CMPL 618 (2) Master’s Thesis 7

Required Courses (10 credits)

CMPL 610 (4) Legal Research Methodology
ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
ENVR 652 (1) Environmental Seminar 3

Complementary Courses (6 credits)
3-6 credits chosen from:

CMPL 546 (3) International Environmental Law and Politics
CMPL 580 (3) Environment and the Law

0-3 credits chosen from:

ENVR 519 (3) Global Environmental Politics
ENVR 544 (3) Environmental Measurement and Modelling
ENVR 580  (3)  Topics in Environment 3  
ENVR 611  (3)  The Economy of Nature  
ENVR 620  (3)  Environment and Health of Species  
ENVR 622  (3)  Sustainable Landscapes  
ENVR 630  (3)  Civilization and Environment  
ENVR 680  (3)  Topics in Environment 4  

or another course at the 500-level or higher recommended by the advisory committee and approved by the Environment Option Committee.

20.11.1.11 Master of Laws (LL.M.); Law (Thesis); European Studies (46 credits)

The 46-credit LL.M. program, thesis option, in European Studies is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

This option is a cross-disciplinary program open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students will take an interdisciplinary seminar and three courses on European themes and issues as part of their LL.M. thesis program. The thesis must be on a topic relating to European Studies, approved by the European Studies Option Coordinating Committee. Knowledge of French, while not a strict prerequisite, is an important asset for admission and will be encouraged as part of the program, as well as knowledge of a third European language.

Candidates must remain in residence for three terms. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (30 credits)

The Master's Thesis programs consist of a coursework component and a thesis of approximately 100 pages.

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

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<thead>
<tr>
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<tr>
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<td>Master's Thesis 1</td>
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<td>CMPL 613</td>
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<td>Master's Thesis 5</td>
</tr>
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<td>CMPL 617</td>
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<td>Master's Thesis 6</td>
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Required Courses (7 credits)

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<td>Legal Research Methodology</td>
</tr>
<tr>
<td>LAWG 659</td>
<td>3</td>
<td>Interdisciplinary Seminar in European Studies</td>
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</tbody>
</table>

Complementary Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPL 536</td>
<td>3</td>
<td>European Community Law 1</td>
</tr>
<tr>
<td>CMPL 537</td>
<td>2</td>
<td>European Community Law 2</td>
</tr>
</tbody>
</table>

One or both of these courses may be replaced with another course at the 500 level or above on European Studies offered by the Faculty of Law or the Faculty of Arts with the approval of the Associate Dean (Graduate Studies).

One of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMPL 600</td>
<td>4</td>
<td>Legal Traditions</td>
</tr>
<tr>
<td>CMPL 641</td>
<td>4</td>
<td>Theoretical Approaches to Law</td>
</tr>
</tbody>
</table>
20.11.1.12 Master of Laws (LL.M.); Law (Non-Thesis) (45 credits)

The 45-credit LL.M. non-thesis option complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and offers an opportunity to write a supervised, substantial, and publishable paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the Summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Research Project (15 credits)
The supervised research project is a 15,000 word paper, assessed by the supervisor on a pass-fail basis, and is typically completed in the Summer.

CMPL 655 (15) Research Project 1

Required Courses (8 credits)

CMPL 610 (4) Legal Research Methodology
CMPL 641 (4) Theoretical Approaches to Law

Complementary Courses (22 credits)
The remaining 22 credits (or fewer if more credits are earned for the research project) are chosen from among Faculty offerings at the 500 and 600 level.

Additional Research Project Courses

With the approval of the Associate Dean (Graduate Studies) and the Graduate and Postdoctoral Studies Office (GPSO), students may take up to an additional 3 credits of research project courses by completing one or both of:

CMPL 656 (2) Research Project 2
CMPL 657 (1) Research Project 3

20.11.1.13 Master of Laws (LL.M.); Law (Non-Thesis); Environment (45 credits)
The Faculty of Law together with the School of Environment and other units at McGill offers a 45-credit, LL.M. program, non-thesis option, in Environment. The program complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and offers an opportunity to write a supervised, substantial, and publishable paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the Summer of the first year, meaning that students usually complete their program within one calendar year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Research Project (17 credits)
The non-thesis option requires a substantial supervised research project during the third term of registration, a 15,000 word paper, assessed by the supervisor on a pass-fail basis, and typically completed in the summer.

CMPL 655 (15) Research Project 1
CMPL 656 (2) Research Project 2

Required Courses (10 credits)

CMPL 610 (4) Legal Research Methodology
ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
ENVR 652 (1) Environmental Seminar 3
Complementary Courses (18 credits)

15 credits chosen from:

- CMPL 500 (3) Aboriginal Peoples and the Law
- CMPL 546 (3) International Environmental Law and Politics
- CMPL 580 (3) Environment and the Law

and/or other Faculty of Law offerings.

3 credits chosen from:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
- ENVR 680 (3) Topics in Environment 4

or another course at the 500-level or higher recommended by the advisory committee and approved by the Environment Option Committee.

20.11.14 Master of Laws (LL.M.); Law (Thesis); Air and Space Law (45 credits)

The 45-credit LL.M. program, thesis option, in Air and Space Law is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate’s research interests complete the program’s credit requirements.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (25 credits)

As part of the course Master’s Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses, and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

- ASPL 690 (4) Master’s Thesis 1
- ASPL 691 (3) Master’s Thesis 2
- ASPL 692 (6) Master’s Thesis 3
- ASPL 693 (12) Master’s Thesis 4

Required Courses (9 credits)

- ASPL 633 (3) Public International Air Law
- ASPL 636 (3) Private International Air Law
- ASPL 637 (3) Space Law: General Principles

Complementary Courses (11 credits)

4 credits from the following:

- CMPL 610D1 (2) Legal Research Methodology
- CMPL 610D2 (2) Legal Research Methodology
Theoretical Approaches to Law (4)

CMPL 641

7 credits at the 500 level or higher, chosen from among Faculty offerings (including ASPL offerings).

20.11.1.15 Master of Laws (LL.M.); Law (Non-Thesis); Air and Space Law (45 credits)

The 45-credit LL.M. program, non-thesis option, in Air and Space Law complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and includes a supervised substantial paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Research Project (18 credits)

The non-thesis option requires a substantial supervised research project during the third term of registration, a 15,000 word paper, assessed by the supervisor on a pass-fail basis, and typically completed in the Summer.

ASPL 655 (15) Research Project 1
ASPL 656 (2) Research Project 2
ASPL 657 (1) Research Project 3

Required Courses (9 credits)

ASPL 633 (3) Public International Air Law
ASPL 636 (3) Private International Air Law
ASPL 637 (3) Space Law: General Principles

Complementary Courses (18 credits)

4 credits from the following:

CMPL 610D1 (2) Legal Research Methodology
CMPL 610D2 (2) Legal Research Methodology
CMPL 641 (4) Theoretical Approaches to Law

14 credits at the 500 level or higher chosen from among Faculty offerings (including ASPL offerings).

20.11.1.16 Master of Laws (LL.M.); Law (Thesis); Comparative Law (45 credits)

The 45-credit LL.M. program, thesis option, in Comparative Law is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

LL.M. candidates may be associated with the Centre for Human Rights and Legal Pluralism, the Quebec Research Centre of Private and Comparative Law, the Centre for Intellectual Property Policy, or one of the specialized Research Chairs at the Faculty of Law. For more information, see our website: http://www.mcgill.ca/law-gradprograms/programs/llm/.

Candidates must remain in residence for three terms. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (30 credits)

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

CMPL 612 (3) Master's Thesis 1
CMPL 613 (3) Master's Thesis 2
CMPL 614 (3) Master's Thesis 3
CMPL 615 (6) Master's Thesis 4
Master's Thesis 5(12)CMPL 616
Master's Thesis 6(3)CMPL 617

Required Courses (12 credits)
CMPL 600 (4) Legal Traditions
CMPL 610 (4) Legal Research Methodology
CMPL 641 (4) Theoretical Approaches to Law

Complementary Courses (3 credits)
The remaining 3 credits (or fewer if more credits are earned for the Master's Thesis) are chosen from among Faculty offerings at the 500 and 600 level.

Additional Thesis Courses
With the approval of the Associate Dean (Graduate Studies) and the Graduate and Postdoctoral Studies Office (GPSO), students may take up to an additional 3 credits of thesis courses by completing one or both of:
CMPL 618 (2) Master's Thesis 7
CMPL 619 (1) Master's Thesis 8

20.11.1.17 Master of Laws (LL.M.); Law (Non-Thesis); Comparative Law (45 credits)
The 45-credit LL.M. program, non-thesis option, in Comparative Law complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and offers an opportunity to write a supervised, substantial and publishable paper in an area of interest.
Candidates must remain in residence for three terms. The third term is devoted to the Research Project, usually taken in the summer of the first year, meaning that students usually complete their program within one calendar year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Research Project (15 credits)
The non-thesis option requires a substantial supervised research project during the third term of registration, a 15,000 word paper, assessed by the supervisor on a pass-fail basis, and typically completed in the summer.
CMPL 655 (15) Research Project 1

Required Courses (12 credits)
CMPL 600 (4) Legal Traditions
CMPL 610 (4) Legal Research Methodology
CMPL 641 (4) Theoretical Approaches to Law

Complementary Courses (18 credits)
The remaining 18 credits (or fewer if more credits are earned for the research project) are chosen from among Faculty offerings at the 500 and 600 level.

Additional Research Project Courses
With the approval of the Associate Dean (Graduate Studies) and the Graduate and Postdoctoral Studies Office (GPSO), students may take up to an additional 3 credits of research project courses by completing one or both of:
CMPL 656 (2) Research Project 2
CMPL 657 (1) Research Project 3

20.11.1.18 Graduate Certificate in Air and Space Law (15 credits)
The Graduate Certificate in Air and Space Law offered through the Institute of Air and Space Law is a coursework program, appropriate for students with a strong professional orientation.
The certificate is awarded after at least one term of residence in the Faculty and upon completion of a minimum of 15 academic credits of law courses. Students may take courses beyond the minimum of 15 credits, and these additional courses may be non-law courses. Students in the program often remain in residence for both terms and take all of the Air and Space Law courses.

For more information, see our website: http://www.mcgill.ca/law-gradprograms/programs/certificate/.

**Required Courses (9 credits)**

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<tr>
<td>ASPL 633</td>
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<td>Public International Air Law</td>
</tr>
<tr>
<td>ASPL 636</td>
<td>3</td>
<td>Private International Air Law</td>
</tr>
<tr>
<td>ASPL 637</td>
<td>3</td>
<td>Space Law: General Principles</td>
</tr>
</tbody>
</table>

**Complementary Courses (6 credits)**

6 additional credits of graduate courses.

**20.11.1.19 Graduate Certificate in Comparative Law (15 credits)**

The Graduate Certificate in Comparative Law is offered through the Institute of Comparative Law and provides advanced legal training over one term of full-time studies or two terms of part-time studies to candidates who wish to pursue graduate legal education for career-related purposes.

The certificate is awarded after at least one term of residence in the Faculty and upon completion of a minimum of 15 credits to a maximum of 29 credits. In every case, the program is structured to meet individual needs and must be approved by the Associate Dean (Graduate Studies).

For more information, see our website: http://www.mcgill.ca/law-gradprograms/programs/certificate/.

**Complementary Courses**

Courses are chosen on an individual basis.

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**21 McGill School of Environment**

**21.1 Dean’s Welcome**

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

_Martin Kreiswirth, Ph.D._  
_Associate Provost (Graduate Education)  
Dean, Graduate and Postdoctoral Studies_
21.2 Graduate and Postdoctoral Studies

21.2.1 Administrative Officers

**Administrative Officers**

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(C’nell), M.Sc.(Montreal), Ph.D.(Brown)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
</tr>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
<td>Director (Recruitment and Retention)</td>
</tr>
</tbody>
</table>

21.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5

Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca gps

**Note:** For inquiries regarding specific Graduate programs, please contact the appropriate department.

21.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

21.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

21.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

**Agricultural and Environmental Sciences**

section 14.11.1: Agricultural Economics
section 14.11.2: Animal Science
section 14.11.3: Bioresource Engineering
section 14.11.4: Dietetics and Human Nutrition
section 14.11.5: Food Science and Agricultural Chemistry
section 14.11.6: Natural Resource Sciences
section 14.11.7: Parasitology
### Agricultural and Environmental Sciences

**section 14.11.8: Plant Science**

### Arts

**section 15.11.1: Anthropology**

**section 15.11.2: Art History**

Classics, see **section 15.11.12: History and Classical Studies**

**section 15.11.4: Communication Studies**

**section 15.11.5: East Asian Studies**

**section 15.11.6: Economics**

**section 15.11.7: English**

**section 15.11.8: French Language and Literature**

**section 15.11.9: Geography**

**section 15.11.10: German Studies**

**section 15.11.11: Hispanic Studies**

**section 15.11.12: History and Classical Studies**

**section 15.11.13: Institute for the Study of International Development**

**section 15.11.14: Islamic Studies**

**section 15.11.15: Italian Studies**

**section 15.11.16: Jewish Studies**

**section 15.11.17: Linguistics**

**section 15.11.18: Mathematics and Statistics**

**section 15.11.19: Philosophy**

**section 15.11.20: Political Science**

**section 15.11.21: Psychology**

**section 15.11.23: Russian and Slavic Studies**

**section 15.11.24: Social Studies of Medicine**

**section 15.11.25: Social Work**

**section 15.11.26: Sociology**

### Dentistry

**section 16.11.1: Dentistry**

### Desautels Faculty of Management

**section 17.11: Desautels Faculty of Management**

### Education

**section 18.11.1: Educational and Counselling Psychology**

**section 18.11.2: Information Studies**

**section 18.11.3: Integrated Studies in Education**

**section 18.11.4: Kinesiology and Physical Education**

### Engineering

**section 19.11.1: Architecture**
Engineering

section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law

section 20.11.1: Law

McGill School of Environment

section 21.11.1: Environment

Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 23.11.1: Nursing
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research

Religious Studies

section 25.11.1: Religious Studies

Schulich School of Music

section 26.11.1: Schulich School of Music

Science

section 27.11.1: Atmospheric and Oceanic Sciences
section 27.11.2: Biology
Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

Graduate Diplomas are offered in:

- Clinical Research (Experimental Medicine)
- Epidemiology and Biostatistics
- Islamic Studies
- Library and Information Studies
- Mining Engineering
- Nursing
- Primary Care Nurse Practitioner
- Professional Performance
- Public Accountancy (C.A.)
- Registered Dietician Credentialing (R.D.)
- School and Applied Child Psychology (post-Ph.D.)
- Surgical Health Care Research

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

- Assessing Driving Capabilities
- Air and Space Law
- Bioresource Engineering (IWRM)
- Biotechnology
- Comparative Law
- Educational Leadership 1
- Educational Leadership 2
- Library and Information Studies
- Post-M.B.A.
- Teaching English as a Second Language
- Theory in Primary Care
- Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

The following master's degrees are offered (see below for more information about sub-specializations):

| Master of Architecture (M.Arch) | Prerequisites: M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree. |
| Master of Arts (M.A.) | Bachelor of Arts in the subject selected for graduate work. See appropriate unit. |
| Master of Business Administration (M.B.A.) | An undergraduate degree from an approved university. See Management. |
| Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.) | See Management. |
| Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.) | See Management. |
### The following master's degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
</tbody>
</table>

#### Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)

See School of Social Work.

### Master of Architecture Degrees

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

### Master of Arts Degrees

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

Master of Business Administration Degrees
A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D., C.M.
- M.B.A. with B.C.L., and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education

The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering
Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.
Master's Degrees in Law

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geology; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
Medical Radiation Physics
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
Microbiology and Immunology
Microbiology (Macdonald Campus); option in Environment
Mining and Materials Engineering
Neuroscience
Nursing
Otolaryngology
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Psychiatry
Psychology
Rehabilitation Sciences (Thesis and Non-Thesis)
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
Surgery, Experimental

Master of Science, Applied, Degrees
This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:
- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

Master of Social Work Degrees
The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.

Master of Urban Planning Degree
The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

21.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

<table>
<thead>
<tr>
<th>The following doctoral degrees are offered (see below for more information)</th>
<th>Prerequisites:</th>
</tr>
</thead>
</table>
The following doctoral degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master’s degree in</td>
</tr>
<tr>
<td></td>
<td>Performance, and professional and teaching experience (D.Mus. in Performance).</td>
</tr>
<tr>
<td></td>
<td>See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work.</td>
</tr>
<tr>
<td></td>
<td>Some departments require all Ph.D. candidates to hold a master's degree in</td>
</tr>
<tr>
<td></td>
<td>the same subject. Departments may recommend to Graduate and Postdoctoral</td>
</tr>
<tr>
<td></td>
<td>Studies that candidates of undoubted promise should be allowed to proceed</td>
</tr>
<tr>
<td></td>
<td>directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

**Doctor of Civil Law Degrees**

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

**Doctor of Music Degrees**

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

**Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
- Electrical Engineering
- English
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics
- Food Science and Agricultural Chemistry
- French; option in Gender and Women's Studies
- Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
- German
- Hispanic Studies
- History
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Information Studies
- Islamic Studies; option in Gender and Women's Studies
- Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

- Nursing (McGill/Université de Montréal)
- Management (McGill/Concordia/H.E.C./UQAM)
- Social Work (McGill/Université de Montréal)

### 21.4.4 Postdoctoral Research

See [section 14.8: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

### 21.5 Program Requirements

#### 21.5.1 Master's Degrees

**Residence Requirements – Master's Degrees**

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of **three full-time terms**: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a **minimum residence requirement of four full-time terms**: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.
These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study.

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

21.5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral
Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases **students should consult departmental regulations concerning language requirements.**

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary. All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies **before** submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

**Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. **Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importdntes, at the same time as the thesis is submitted.** The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

**Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

### 21.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

### 21.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

### 21.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staffregistration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.
21.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

21.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

21.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

21.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.
## 21.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English **prior to admission**, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are **NOT** required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using **one** of the following options:

1. **TOEFL** (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>Minimum Acceptable Scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>iBT (Internet-based test)</td>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
</tr>
<tr>
<td>PBT (paper-based test)</td>
<td>550</td>
</tr>
<tr>
<td>CBT (computer-based test)*</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
</tr>
</tbody>
</table>

2. **IELTS** (International English Language Testing System): a band score of 6.5 or greater.
3. **MELAB** (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of "B" (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

*Revised – July 2008*

## 21.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, **but not as candidates for a degree**. Only one qualifying year (i.e., two full-time terms) is permitted. In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), **students must apply to the degree program by the Winter departmental dates for guaranteed consideration**. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

## 21.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but **in a different subject**. The normal admission requirements must be met and all the usual procedures followed.
21.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

21.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

21.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

21.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


21.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

21.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf), are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index_en.asp?page=progExemt](http://www.mels.gouv.qc.ca/international/index_en.asp?page=progExemt). The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

### 21.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

#### 21.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

#### 21.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. **Definition and Status**
   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. **Registration**
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.
   
   ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. **Appointment, Pay, Agreement of Conditions**
   i. Appointments may not exceed your registration eligibility status.
   
   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   
   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at [www.mcgill.ca/gps/postdocs](http://www.mcgill.ca/gps/postdocs) and supporting document – commitments for Postdoctoral Scholars and Supervisors at
5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities ("Green Book"), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:
   – to verify the Postdoc’s eligibility period for registration;
   – to provide Postdocs with departmental policy and procedures that pertain to them;
   – to oversee the registration and appointment of Postdocs;
   – to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
   – to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
   – to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
   – to include Postdocs in departmental career and placement opportunities;
   – to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
   – to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
   – to provide research guidance;
   – to meet regularly with their Postdocs;
   – to provide feedback on research submitted by the Postdocs;
   – to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
   – to provide mentorship for career development.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities ("Green Book"), available at www.mcgill.ca/secretariat/policies/students.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:

– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

21.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

21.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

21.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).
21.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

21.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.
v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year’s research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student’s departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student’s supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student’s progress; and to be sensitive to graduation deadlines and students’ career plans.

iii. Some examples of the responsibilities of a supervisor are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student’s progress; and to be sensitive to graduation deadlines and students’ career plans.

iv. Some examples of the responsibilities of an academic unit are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student’s progress; and to be sensitive to graduation deadlines and students’ career plans.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

21.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.
The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003

21.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999

21.9.4 Ph.D. Comprehensives Policy

Preamble

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

- At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

- Objectives and Content
Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student’s performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of IH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.
Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

Charter of Student Rights
Graduate Studies Reread Policy
Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

21.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.)
The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching
Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

21.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill’s “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

21.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

21.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.
21.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

21.10.1 Policy on Research Ethics


21.10.2 Regulations on Research Policy


21.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

21.10.4 Guidelines for Research Involving Human Subjects


21.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

21.10.6 Policy on Intellectual Property


21.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

21.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

21.10.9 Office of Sponsored Research


21.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

21.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

21.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.
21.11.1 Environment

21.11.1.1 Location

McGill School of Environment
Downtown Campus
3534 University Street
Montreal, QC H3A 2A7
Canada
Telephone: 514-398-2827
Fax: 514-398-1643

Macdonald Campus
Rowles House
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue, QC H9X 3V9
Canada
Telephone: 514-398-7559
Fax: 514-398-7846

Coordinator - C. Zhu
Telephone: 514-398-2827
Fax: 514-398-1643
Email: grad.mse@mcgill.ca
Website: www.mcgill.ca/mse

21.11.1.2 About Environment

Resolving environmental issues requires a dialogue between pure and applied sciences and the social sciences and humanities. The degradation of the biological and biophysical environment has roots in the structure of human societies while solutions to environmental problems impact on human livelihoods. A number of academic departments and institutes at McGill promote graduate-level research and training on environmental topics and have faculty members whose main research interest falls in this domain. As such, environmental research is widespread throughout the McGill community. The Environment Option provides a vehicle whereby discipline-based graduate programs can easily and effectively incorporate collaborations from at least one other discipline into their research.

Goals of the Option

To provide thesis or non-thesis students in existing graduate programs with an understanding of how knowledge is transferred into action with regard to the environment; to develop an appreciation of the role of scientific, political, socioeconomic, and ethical judgments in influencing that process.

To provide a forum whereby graduate students in environment throughout the University bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking.

Students admitted into the Environment Option will be supervised or co-supervised by an accredited McGill faculty member. Their advisory committee will include at least one individual from outside the home department. It is expected that the thesis, dissertation, or project as well as the final seminar presentation will contain an environmental component and will include a discussion of the applied implications of the research findings. Together with the courses common to the Environment Option, specific course requirements for each program are given within the departmental listings cited below.

Program List

The Environment Option is currently available with the following graduate programs:

Anthropology

M.A., see section 15.11.1.7: Master of Arts (M.A.); Anthropology (Thesis) - Environment (48 credits)

Atmospheric and Oceanic Sciences

M.Sc., see section 27.11.1.6: Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits)

Biology

M.Sc., see section 27.11.2.6: Master of Science (M.Sc.); Biology (Thesis) — Environment (48 credits)
Ph.D., see section 27.11.2.11: Doctor of Philosophy (Ph.D.); Biology — Environment
Bioresource Engineering
M.Sc., see section 14.11.3.6: Master of Science (M.Sc.); Bioresource Engineering (Thesis) — Environment (46 credits)
M.Sc. (Applied), see section 14.11.3.10: Master of Science, Applied (M.Sc.A.); Bioresource Engineering (Non-Thesis) — Environment (45 credits)
Ph.D., see section 14.11.3.14: Doctor of Philosophy (Ph.D.); Bioresource Engineering — Environment

Earth and Planetary Sciences
M.Sc., see section 27.11.5.6: Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) — Environment (48 credits)
Ph.D., see section 27.11.5.8: Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences — Environment

Entomology
M.Sc., see section 14.11.6.7: Master of Science (M.Sc.); Entomology (Thesis) — Environment (46 credits)
Ph.D., see section 14.11.6.18: Doctor of Philosophy (Ph.D.); Entomology — Environment

Epidemiology
M.Sc., see section 22.11.6.4.4: Master of Science (M.Sc.); of Public Health (Non-Thesis) — Environment (52 credits)

Geography
M.A., see section 15.11.9.6: Master of Arts (M.A.); Geography (Thesis) — Environment (45 credits)
M.Sc., see section 27.11.6.6: Master of Science (M.Sc.); Geography (Thesis) — Environment (45 credits)
Ph.D., see section 15.11.9.12: Doctor of Philosophy (Ph.D.); Geography — Environment

Law
LL.M., see section 20.11.1.10: Master of Laws (LL.M.); Law (Thesis); Environment (45 credits)
LL.M. (Non-Thesis), see section 20.11.1.13: Master of Laws (LL.M.); Law (Non-Thesis); Environment (45 credits)

Medicine, Experimental
M.Sc., see section 22.11.10.7: Master of Science (M.Sc.); Experimental Medicine (Thesis) — Environment (45 credits)
Ph.D., see section 22.11.10.10: Doctor of Philosophy (Ph.D.); Experimental Medicine — Environment

Microbiology
M.Sc., see section 14.11.6.10: Master of Science (M.Sc.); Microbiology (Thesis) — Environment (46 credits)
Ph.D., see section 14.11.6.21: Doctor of Philosophy (Ph.D.); Microbiology — Environment

Parasitology
M.Sc., see section 14.11.7.7: Master of Science (M.Sc.); Parasitology (Thesis) — Environment (46 credits)
Ph.D., see section 14.11.7.10: Doctor of Philosophy (Ph.D.); Parasitology — Environment

Philosophy
Ph.D., see section 15.11.19.7: Doctor of Philosophy (Ph.D.); Philosophy — Environment

Plant Science
M.Sc., see section 14.11.8.7: Master of Science (M.Sc.); Plant Science (Thesis) — Environment (48 credits)
Ph.D., see section 14.11.8.12: Doctor of Philosophy (Ph.D.); Plant Science — Environment

Renewable Resources
M.Sc., see section 14.11.6.12: Master of Science (M.Sc.); Renewable Resources (Thesis) — Environment (46 credits)
Ph.D., see section 14.11.6.22: Doctor of Philosophy (Ph.D.); Renewable Resources — Environment
21.11.1.3 Environment Admission Requirements and Application Procedures

21.11.1.3.1 Admission Requirements

Candidates must apply separately to the McGill School of Environment (MSE) for the Graduate Environment Option. Their acceptability will be based on their academic experience and performance, and availability of a potential MSE-accredited supervisor or co-supervisor for their proposed research. For further information, please consult the following website: www.mcgill.ca/mse/programs/envroption.

21.11.1.3.2 Application Procedures

Applications will be considered upon receipt of:

1. option application form;
2. current CV;
3. unofficial transcripts;
4. two (2) signed reference letters; and
5. signed Option supervisory form (a supervisor or co-supervisor must be MSE-affiliated. Please visit the following website for listing: www.mcgill.ca/mse/programs/envroption#FACULTY).

All application documents are to be submitted directly to:

McGill School of Environment
3534 University Street
Montreal, QC H3A 2A7
Canada

Email: grad.mse@mcgill.ca
Website: www.mcgill.ca/mse/programs/envroption

21.11.1.4 Environment Faculty

Director
Marilyn Scott

Professors

P.G. Brown; B.A.(Haver.), M.A., Ph.D.(Col.) (joint appt. with Geography and Natural Resource Sciences)
C. Chapman; B.Sc., M.A., Ph.D.(Alta.) (joint appt. with Anthropology)
M. Scott; B.Sc.(New Br.), Ph.D.(McG.) (joint appt. with Institute of Parasitology)

Associate Professors

M. Badami; B.Tech., M.S.(IIT), M.E.Des.(Calg.), Ph.D.(Br. Col.) (joint appt. with School of Urban Planning)
S. De Blois; B.Sc.(Agr.)(McG.), M.Sc., Ph.D.(Mont.) (joint appt. with Plant Science)
J. Ellis; B.A.(Calg.), LL.B., B.C.L.(McG.), LL.M.(Br. Col.) (joint appt. with Law)
F. Fabry; B.Sc., M.Sc., Ph.D.(McG.) (joint appt. with Atmospheric and Oceanic Sciences)
B. Leung; B.Sc.(Br. Col.), Ph.D.(Car.) (joint appt. with Biology)
G. Mikkelson, Gregory; B.A.(Trinity), M.S., Ph.D.(Chic.) (joint appt. with Philosophy)
A. Ricciardi; B.Sc.(Agr.), M.Sc., Ph.D.(McG.) (joint appt. with Redpath Museum)
R. Sengupta; B.Sc.(Bom.), M.Sc.(IIT), Ph.D.(S. Illinois) (joint appt. with Geography)

Assistant Professors

E. Bennett; B.A.(Oberlin), M.Sc., Ph.D.(Wisc.) (joint appt. with Natural Resource Sciences)
Assistant Professors

I. Hirose; B.A., M.A.(Waseda), Ph.D.(St. And.) (joint appt. with Philosophy)

N. Kosoy; B.Sc.(Univ. Simon Bolivar, Venezuela), M.Sc.(Kent), M.Sc., Ph.D.(Univ. Autonoma de Barcelona, Spain) (joint appt. with Natural Resource Sciences)

J. Rhemtulla; B.Sc.(McG.), M.Sc.(Alta.), Ph.D.(Wisc.-Madison) (joint appt. with Geography)

I. Vaccaro; B.A.(Barcelona), D.E.A.(Paris), M.A., Ph.D.(Wash.) (joint appt. with Anthropology)

Faculty Lecturers

G. McCourt; B.Sc., M.Sc.(Alta.), M.Sc.(McG.)

J. Marshall; B.A.(McG.), M.A.(Tor.), Ph.D.(McG.)

K. Roulet; B.Sc.(Trent), M.Sc.(Guelph)

Associate Members

Agricultural Economics: P. Thomassin

Animal Science: S. Kimmins

Anthropology: J. Galaty

Atmospheric and Oceanic Sciences: P. Ariya


Bioresource Engineering: J. Adamowski, S. Barrington, G. Clark, M. Lefsrd, C. Madramootoo

Brace Centre: C. Madramootoo

Chemical Engineering: N. Tufenkji, V. Yargeau

Civil Engineering and Applied Mechanics: S. Gaskin, M. Hatzopoulou, V.T.V. Nguyen, J. Nicell

Earth and Planetary Sciences: J. Paquette

Economics: R. Cairns, C. Green, T. Naylor

Electrical and Computer Engineering: G. Joos

Epidemiology: M. Goldberg


History: D. Studnicki-Gizbert

Law, Faculty of: J. Glenn, R. Janda

Management, Faculty of: D. Etzion, S. Maguire, V. Verter


Parasitology, Institute of: M. Scott

Pathology: B. Case

Philosophy: P. Buckley

Plant Science: C. Begg, P. Dutilleul, D. Smith, M. Waterway

Political Science: P. Oxhorn

Redpath Museum: D.M. Green, C. Seizilles de Mazancourt

School of Urban Planning: N. Luka
To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

Graduate and Postdoctoral Studies

Administrative Officers

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<tr>
<th>Administrative Officers</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</th>
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<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
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<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
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<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
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<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
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<td>Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
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<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
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<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
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</tr>
</tbody>
</table>

Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5

Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps
Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

22.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

22.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

22.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

### Agricultural and Environmental Sciences
- section 14.11.1: Agricultural Economics
- section 14.11.2: Animal Science
- section 14.11.3: Bioresource Engineering
- section 14.11.4: Dietetics and Human Nutrition
- section 14.11.5: Food Science and Agricultural Chemistry
- section 14.11.6: Natural Resource Sciences
- section 14.11.7: Parasitology
- section 14.11.8: Plant Science

### Arts
- section 15.11.1: Anthropology
- section 15.11.2: Art History
  Classics, see section 15.11.12: History and Classical Studies
- section 15.11.4: Communication Studies
- section 15.11.5: East Asian Studies
- section 15.11.6: Economics
- section 15.11.7: English
- section 15.11.8: French Language and Literature
- section 15.11.9: Geography
- section 15.11.10: German Studies
- section 15.11.11: Hispanic Studies
- section 15.11.12: History and Classical Studies
- section 15.11.13: Institute for the Study of International Development
- section 15.11.14: Islamic Studies
- section 15.11.15: Italian Studies
- section 15.11.16: Jewish Studies
- section 15.11.17: Linguistics
- section 15.11.18: Mathematics and Statistics
- section 15.11.19: Philosophy
Arts
section 15.11.20: Political Science
section 15.11.21: Psychology
section 15.11.23: Russian and Slavic Studies
section 15.11.24: Social Studies of Medicine
section 15.11.25: Social Work
section 15.11.26: Sociology

Dentistry
section 16.11.1: Dentistry

Desautels Faculty of Management
section 17.11: Desautels Faculty of Management

Education
section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering
section 19.11.1: Architecture
section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law
section 20.11.1: Law

McGill School of Environment
section 21.11.1: Environment

Medicine
section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
22.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

Graduate Diplomas are offered in:

| Clinical Research (Experimental Medicine) | Primary Care Nurse Practitioner |
| Epidemiology and Biostatistics           | Professional Performance       |
| Islamic Studies                          | Public Accountancy (C.A.)      |
| Library and Information Studies          | Registered Dietician Credentialing (R.D.) |
| Mining Engineering                       | School and Applied Child Psychology (post-Ph.D.) |
| Nursing                                  | Surgical Health Care Research  |

These diploma programs consist of at least two terms of full-time study or the equivalent.
Graduate Certificates are offered in:

- Assessing Driving Capabilities
- Air and Space Law
- Bioresource Engineering (IWRM)
- Biotechnology
- Comparative Law
- Educational Leadership 1
- Educational Leadership 2
- Library and Information Studies
- Post-M.B.A.
- Teaching English as a Second Language
- Theory in Primary Care
- Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

22.4.2 Master’s Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

<table>
<thead>
<tr>
<th>The following master’s degrees are offered (see below for more information about sub-specializations):</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>
M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

Master of Arts Degrees

Programs leading to the degree of Master of Arts are offered in the following areas:

Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
Classics (Thesis and Non-Thesis)
Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
Education (Thesis and Non-Thesis)
English (Thesis and Non-Thesis)
French (Thesis and Non-Thesis); option in Gender and Women's Studies
Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
German Studies (Thesis and Non-Thesis)
Islamic Studies; option in Gender and Women's Studies
Italian Studies (Thesis and Non-Thesis)
Jewish Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Linguistics (Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

Master of Business Administration Degrees

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance
Global Strategy and Leadership
Marketing
Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.
M.B.A. with B.C.L. and LL.B.
Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
Educational Psychology (Thesis and Non-Thesis)
Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

Educational Psychology

The M.Sc. may be taken in the following area:

Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

Aerospace Engineering (Project)
Biomedical Engineering; option in Bioinformatics
Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law

The degree of Master of Laws is offered in:

Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.
The M.A. may be taken in:

Music Technology
Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
Music Education (Thesis and Non-Thesis)
Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

Composition
Performance (various options) (Non-Thesis)
Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.
Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
- Physics
- Physiology; option in Bioinformatics
- Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
- Psychiatry
- Psychology
- Rehabilitation Sciences (Thesis and Non-Thesis)
- Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
- Surgery, Experimental

Master of Science, Applied, Degrees

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
Occupational Health  
Occupational Therapy  
Plant Science  
Physical Therapy

Other degrees:

Master of Science, Applied (OT)  
Master of Science, Applied (PT)

**Master of Social Work Degrees**
The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice. 

Special program:

M.S.W. with B.C.L. and L.L.B.

**Master of Urban Planning Degree**
The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association. 

Options: Transportation Planning and Urban Design.

### 22.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master’s programs and doctoral programs.

<table>
<thead>
<tr>
<th>The following doctoral degrees are offered (see below for more information about sub-specializations):</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or L.L.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master’s degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

**Doctor of Civil Law Degrees**

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

**Doctor of Music Degrees**

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

**Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology  
- Animal Science; option in Bioinformatics  
- Anthropology; option in Neotropical Environment  
- Architecture  
- Art History; option in Gender and Women's Studies  
- Atmospheric and Oceanic Sciences  
- Biochemistry; options in Bioinformatics, and Chemical Biology  
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment  
- Biomedical Engineering; option in Bioinformatics  
- Bioresource Engineering; options in Environment, and Neotropical Environment  
- Chemical Engineering  
- Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Classics
Communication Studies; option in Gender and Women's Studies
Communication Sciences and Disorders; option in Language Acquisition
Computer Science; option in Bioinformatics
Counselling Psychology
Earth and Planetary Sciences; option in Environment
Economics
Educational Psychology
Educational Studies; option in Gender and Women's Studies
Electrical Engineering
English
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics
Food Science and Agricultural Chemistry
French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)
Management (McGill/Concordia/H.E.C./UQAM)
Social Work (McGill/Université de Montréal)
22.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

22.5 Program Requirements

22.5.1 Master's Degrees

Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).

- The following master's programs have a minimum residence requirement of four full-time terms: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.

- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis.

- Residence requirements are fulfilled when students complete all course requirements in their respective programs.

- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study. The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow. The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

22.5.2 Doctoral Degrees

Residence Requirements – Doctoral
Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

**Comprehensive Examinations – Doctoral**

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

**Language Requirements – Doctoral**

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become proficient in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

**Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

**Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

**22.5.3 Ad Hoc Programs**

_In exceptional cases_, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application,
including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

22.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

22.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

22.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca
Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

22.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.
22.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

22.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

22.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
</tr>
</tbody>
</table>

N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”. 
22.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted. In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

22.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

22.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

22.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first explicitly and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

22.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

22.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.
If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


22.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

22.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimplt/js/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

22.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

22.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).
22.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status
   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

   ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions
   i. Appointments may not exceed your registration eligibility status.

   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

   iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

   v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges
   i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities ("Green Book"), available at www.mcgill.ca/secretariat/policies/students.

   ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

   iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

   iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

   v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

   vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

   vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

   viii. Postdocs have access to the services provided by the Ombudsperson.

   ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.
x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities ("Green Book"), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:
   – to verify the Postdoc’s eligibility period for registration;
   – to provide Postdocs with departmental policy and procedures that pertain to them;
   – to oversee the registration and appointment of Postdocs;
   – to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
   – to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
   – to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
   – to include Postdocs in departmental career and placement opportunities;
   – to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
   – to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
   – to provide research guidance;
   – to meet regularly with their Postdocs;
   – to provide feedback on research submitted by the Postdocs;
   – to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
   – to provide mentorship for career development;
   – to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:
   – to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
   – to submit a complete file for registration to Graduate and Postdoctoral Studies;
   – to sign and adhere to their Letter of Agreement for Postdoctoral Education;
   – to communicate regularly with their supervisor;
   – to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:
   – to register Postdocs;
   – to provide an appeal mechanism in cases of conflict;
   – to provide documented policies and procedures to Postdocs;
   – to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

22.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

22.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).
22.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you may perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

All individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

22.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.
22.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees
   i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.
   ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program
   i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.
   ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.
   iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.
   iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.
   v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.
   vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).
   vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.
   viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities
   Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.
   i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.
ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

22.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:

   • be used annually;
   • be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   • include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
   • permit the student to submit a minority report and not sign;
   • state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.
Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 22.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

### 22.9.4 Ph.D. Comprehensives Policy

**Preamble**

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. **General Policy**

   At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. **All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)**

**Specific Issues**

**Objectives and Content**

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.
Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

Assessment, Grading and Reporting

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

Feedback

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

Plagiarism

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/rrr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

Failures

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

Charter of Student Rights
Graduate Studies Reread Policy
Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

22.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation
In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification
In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads
According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirements of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching
Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

22.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the
Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

_Council of FGSR, March 1999_

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

**Procedure:**

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

22.9.7 _Failure Policy_

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

22.9.8 _Guideline on Hours of Work_

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

22.10 _Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees_

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

22.10.1 _Policy on Research Ethics_


22.10.2 _Regulations on Research Policy_


22.10.3 _Policy on Research Integrity_

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

22.10.4 _Guidelines for Research Involving Human Subjects_

22.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

22.10.6 Policy on Intellectual Property


22.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

22.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

22.10.9 Office of Sponsored Research


22.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

22.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

22.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

22.11.1 Anatomy and Cell Biology

22.11.1.1 Location

Department of Anatomy and Cell Biology
Strathcona Anatomy and Dentistry Building
3640 University Street, Room 1/60
Montreal, QC H3A 2B2
Canada

Telephone: 514-398-6335
Fax: 514-398-5047
Website: www.medicine.mcgill.ca/anatomy

22.11.1.2 About Anatomy and Cell Biology

In addition to laboratory-specific activities, students will attend weekly seminars presented by nationally and internationally recognized researchers (www.mcgill.ca/anatomy/seminar-series). Students will also present their results approximately twice a year to other students in the program in the Research in Progress seminar series.

Current research projects include: cell biology of secretion; cell biology of endocytosis; signal transduction of cell receptors for growth factors and hormones; synthesis and migration of glycoproteins; subcomponents of the Golgi apparatus and their function; biogenesis and function of lysosomes; cell turnover in various tissues; control of cell growth and proliferation; molecular biology of extracellular matrix; structure, composition, and function of basement membranes and connective tissue microfibrils; cell and microfibrils; cell and molecular biology of spermatogenesis; genetic expression of proteins in the formation of cytoskeletal components of spermatogenesis; role of endocytosis and secretion by epididymal cells in sperm maturation; molecular biology of Sertoli cell secretions and their interaction with germ cells; synchronization of sperm production; transferrin, transferrin receptors, and iron in germinal cells; differentiation...
of B lymphocytes in bone marrow in relation to mechanisms of humoral immunity, immunodeficiency states, and B cell neoplasias; control mechanisms and cytokines in B lymphopoiesis; in situ organization and stromal cell-interactions of B lineage precursor cells in bone marrow; microenvironmental regulation of hemopoiesis; differentiation and regulation of cells mediating natural tumor immunosurveillance; tumor cell biology; cell and molecular biology of the formation of dental enamel, dentin, and bone; structure of organic matrices and inorganic crystals of dental enamel; role of hormones and their binding sites with calcified tissues; secretion and degradation of the proteins of enamel matrix, hypothalamo-pituitary function and gonadotropin patterns in ovarian follicular development; polycystic ovarian disease; computer-assisted modeling of morphometric and kinetic data; cell biology and molecular genetics of aging; senescence and cell cycle-specific genes and their products; cryo-electron microscopy.

**Human Systems Biology Stream** is offered as a complementary stream to the existing M.Sc. and Ph.D. programs entailing a multidisciplinary approach to achieving a M.Sc. and Ph.D. in Cell Biology and Anatomy. The primary objective of this stream is to offer graduate students academic training in Human Systems Biology. This is an exciting and new multidisciplinary field that aims to understand molecular human diseases at the systems level.

**Research in the Department** investigates the dynamics and organization of molecules, organelles, cells, and tissues in several major systems of the body. The work makes fundamental contributions to a number of established and emerging multidisciplinary fields: cell and molecular biology, cellular immunology and hematolgy, reproductive biology, calcified tissue biology, tumor cell biology, developmental biology, neurobiology, and aging.

The Department offers contemporary facilities for the wide range of techniques currently employed in research. Modern methods of cell and molecular biology, immunology, and biochemistry are used in conjunction with specialized microscopy in a variety of experimental systems. Techniques used by Department members include labelling with radioisotopes and other tracers, radioautography, immunocytochemistry, histochemistry, cryo-immune microscopy, fluorescence microscopy, high-resolution electron microscopy, scanning electron microscopy, backscattered electron imaging, confocal microscopy, 3D cryo-electron microscopy, microinjection, video-microscopy in living cells, X-ray microanalysis, electron diffraction, freeze-fracture replication, computer reconstruction and quantitation, chromatography, subcellular fractionation, recombinant DNA technology, in situ hybridization, tissue grafting, cell and tissue culture, mutant and transgenic mice, hybridomas, and monoclonal antibodies.

The Department has one of the largest and best-equipped electron microscope facilities in the world. Currently in use are four modern electron microscopes, including a Tecnai F20 and a Titan Krios. Combined with some of these microscopes are computer-aided analytical equipment capable of elemental microanalysis, histomorphometry, reconstruction, and quantitation. The high-voltage microscope is particularly useful for certain analytical electron optical procedures such as electron diffraction, lattice imaging, and three-dimensional electron microscopy.

### section 22.11.1.5: Master of Science (M.Sc.); Cell Biology and Anatomy (Thesis) (48 credits)

Graduate research activities leading to the presentation of the M.Sc. thesis involve original experimental work in one of the areas being actively investigated by the Department's Research Supervisors. Our graduate program offers training in a personal, unique, and multidisciplinary environment in the top Canadian university with worldwide recognition. The thesis-based Master training is intended for students with a B.Sc. or B.A. degree in life sciences from a university of recognized reputation. Candidates with an M.D., D.D.S., or D.V.M. degree are also welcome. The students are trained in how to address biological problems with an integrative understanding of Cell Biology by conducting hypothesis-driven projects. The training provides all the tools required for a competitive career, in academic settings as well as in industry or other fields.

### section 22.11.1.6: Doctor of Philosophy (Ph.D.); Cell Biology and Anatomy

Graduate research activities leading to the presentation of the Ph.D. thesis involve original experimental work in one of the areas being actively investigated by the Department's Research Supervisors. Our graduate program offers training in a personal, unique, and multidisciplinary environment in the top Canadian university with worldwide recognition. The thesis-based Ph.D. training is intended for students with a B.Sc., B.A., or M.Sc. degree in life sciences from a university of recognized reputation. Candidates with an M.D., D.D.S., or D.V.M. degree are also welcome. The students are trained in how to address biological problems with an integrative understanding of Cell Biology by conducting hypothesis-driven projects. The training provides all the tools required for a competitive career, in academic settings as well as in industry or other fields.

### 22.11.1.3 Anatomy and Cell Biology Admission Requirements and Application Procedures

#### 22.11.1.3.1 Admission Requirements

**M.Sc. and Ph.D. Programs**

1. A B.Sc. degree in life sciences or any of M.D., D.D.S., or D.V.M. degrees from a university of recognized reputation.

2. Evidence of a high academic achievement with a minimum cumulative grade point average (CGPA) of 3.0 on 4.0 as is indicated in the general guidelines set up by GPS at McGill.


4. M.Sc. and Ph.D. students are supported financially, at a minimum of $15,000 and $17,000 respectively, per year.

Graduate students are also expected to apply for the various internal and external fellowships. Detailed information is available at [www.mcgill.ca/anatomy/graduatefellowships/](http://www.mcgill.ca/anatomy/graduatefellowships/). Graduate students are responsible for the payment of tuition fees to McGill University. Detailed information about these can be found at [www.mcgill.ca/student-accounts/fees/grad](http://www.mcgill.ca/student-accounts/fees/grad). For international students registered in the M.Sc. and Ph.D. programs, differential fee waivers up to $5,000 will be allocated to a maximum of eight students through the Department of Anatomy and Cell Biology, for the first year, with a possibility of renewal.

#### 22.11.1.3.2 Application Procedures

Application for admission to graduate studies for the degrees of M.Sc. or Ph.D. in Cell Biology and Anatomy should be made to the Chair of Graduate Studies, Department of Anatomy and Cell Biology.

Application forms are available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply) and program guidelines are detailed at [www.mcgill.ca/anatomy/graduate](http://www.mcgill.ca/anatomy/graduate).
All applicants must first make arrangements with a faculty member of the Department for acceptance into his/her laboratory to carry out the thesis research (www.mcgill.ca/anatomy/graduate/appproc/).

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Note: We are not willing to consider any applications to be admitted for the Summer term.

Documents Required

1. Two official copies of complete university-level academic records to date (this also applies to McGill University transcripts). It may be desirable to submit a list of the titles of the courses taken, if transcripts give code numbers only. It is the applicant's responsibility to contact the institution(s) attended and request that the transcripts be forwarded directly to the Department of Anatomy.

2. Two letters of recommendation.
   It is the applicant's responsibility to arrange that these letters are originals, sent directly to the Department of Anatomy from the persons specified by the applicant.

3. Fee of $100 in Canadian funds for processing the application.

4. TOEFL score (where applicable).

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

22.11.1.4 Anatomy and Cell Biology Faculty

Acting Chair

Nathalie Lamarche-Vane

Emeritus Professors

Gary C. Bennett; B.A., B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

Yves Clermont; B.Sc.(Montr.), Ph.D.(McG.), F.R.C.S.

Dennis G. Osmond; C.M., B.Sc., M.B., Ch.B., D.Sc.(Brist.), M.R.C.S., L.R.C.P., F.R.S.C.

Hershey Warshawsky; B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

Professors

Chantal Autexier; B.Sc.(C'dia), Ph.D.(McG.)

Philip Barker; B.Sc.(S. Fraser), Ph.D.(Alta.) (joint appt. with Neurology & Neurosurgery)

James R. Brawer; B.S.(Tufts), Ph.D.(Harv.)

Miguel Burnier; M.D., M.Sc., Ph.D.(Brazil) (joint appt. with Ophthalmology)

Samuel David; Ph.D.(Manit.) (joint appt. with Neurology & Neurosurgery)

Louis Hermo; B.A.(Loyola), M.Sc., Ph.D.(McG.)

Nathalie Lamarche-Vane; B.Sc., Ph.D.(Montr.)

Marc D. McKee; B.Sc., M.Sc., Ph.D.(McG.) (joint appt. with Dentistry)

Peter McPherson; B.Sc.(Manit.), Ph.D.(Iowa) (joint appt. with Neurology & Neurosurgery)

Sandra C. Miller; B.Sc.(Sir G. Wms.), M.Sc., Ph.D.(McG.)

Carlos R. Morales; D.V.M.(U.N., Argentina), Ph.D.(McG.)

Barry I. Posner; M.D.(Manit.), F.R.C.P.(C) (joint appt. with Medicine)

Alfredo Ribeiro-da-Silva; M.D., Ph.D.(Oporto) (joint appt. with Pharmacology and Therapeutics)

Wayne Sossin; S.B.(MIT), Ph.D.(Stan.) (joint appt. with Neurology & Neurosurgery)

Stefano Stifani; Ph.D.(Rome), Ph.D.(Alta.) (joint appt. with Neurology & Neurosurgery)

Dominique Walker; B.Sc., Ph.D.(Geneva) (joint appt. with Psychiatry)
**Associate Professors**

Orest W. Blaschuk; B.Sc.(Winn.), M.Sc.(Manit.), Ph.D.(Tor.) (joint appt. with Surgery)

Eugene Daniels; M.Sc., Ph.D.(Manit.)

Elaine Davis; B.Sc., M.Sc.(W. Ont.), Ph.D.(McG.)

Timothy Kennedy; B.Sc.(McM.), M.Phil., Ph.D.(Col.) (joint appt. with Neurology & Neurosurgery)

M.F. Lalli; B.Sc., M.Sc.(Bowling Green), Ph.D.(McG.)

Craig Mandato; B.Sc., Ph.D.(Wat.)

John F. Presley; B.A., Ph.D.(Texas)

Dieter Reinhardt; M.S.(Kaiserslautern), Ph.D.(Munich) (joint appt. with Dentistry)

Hojatollah Vali; B.Sc., M.Sc., Ph.D.(Munich) (joint appt. with Earth and Planetary Sciences)

**Assistant Professors**

Fiona Bedford; B.Sc.(Birm.), Ph.D.(Lond.)

Isabelle Rouiller; Ph.D.(UK)

**Associate Members**

John J.M. Bergeron; B.Sc.(McG.), D.Phil.(Oxf.)

Albert Berghuis (Biochemistry)

Colin Chalk (Neurology & Neurosurgery)

Jean-François Cloutier (Neurology & Neurosurgery)

Claudio Cuello (Pharmacology & Therapeutics)

Giovanni DiBattista (Medicine)

Alyson Fournier (Neurology & Neurosurgery)

Janet Henderson (Medicine)

Robert Scott Kiss (Biochemistry)

Bartha Knoppers (Human Genetics)

Svetlana Komarova (Dentistry)

Paul Lasko (Biology)

Andréa Leblanc (Neurology & Neurosurgery)

Peter Metrakos (Department of Surgery)

Tommy Nilsson (Medicine)

Edward S. Ruthazer (Neurology & Neurosurgery)

Michael Sacher (Biology)

Philippe Seguela (Neurology & Neurosurgery)

Peter Siegel (Medicine & Biochemistry)

Thomas Stroh (Neurology & Neurosurgery)

David Y. Thomas (Biochemistry)

Jacalyn Vogel (Biology)

Xiang-Jiao Yang (Medicine)

**Adjunct Professors**

Michel Cayouette; Ph.D.(Laval)

Frédéric Charron; B.Sc.(Montr.), Ph.D.(McG.)

Eric Chevet; Ph.D.(Paris)
Adjunct Professors

Miroslaw Cygler; M.Sc., Ph.D.(Lodz, Poland)
Daniel Cyr; B.Sc., M.Sc.(C'dia), Ph.D.(Manit.)
Michel Desjardins; M.Sc., Ph.D.(Montr.)
Jacques Drouin; B.Sc., D.Sc.(Laval)
David Hipfner; B.Sc., Ph.D.(Qu.)
Marko Horb; Ph.D.(SUNY)
Artur Kania; Ph.D.(Baylor)
André Nantel; B.Sc., M.Sc.(Laval), Ph.D.(Chapel Hill)
Alexei Pshezhetsky; Ph.D.(Russia)
Joseph Schrag; M.Sc., Ph.D.(Ill.)
Atilla Sik; M.Sc., Ph.D.(Hungary)
Pierre Thibault; Ph.D.(Montr.)

Faculty Lecturers

Ayman Behiery; M.B., Ch.B.(Cairo)
Geoffroy P. Noël; Ph.D.(Br. Col.)

22.11.1.5 Master of Science (M.Sc.); Cell Biology and Anatomy (Thesis) (48 credits)

Thesis Course (24 credits)

ANAT 698 (24) M.Sc. Thesis Research 1

Required Course (9 credits)

ANAT 699 (9) M.Sc. Thesis Research Seminar

Complementary Courses (15 credits)

15 credits from one of three streams: Histology Stream, Cell Developmental Biology Stream, or Human Systems Biology Stream

Histology Stream

ANAT 541 (3) Cell and Molecular Biology of Aging
ANAT 614D1 (4.5) Human Anatomy and Embryology
ANAT 614D2 (4.5) Human Anatomy and Embryology
ANAT 663D1 (4.5) Histology
ANAT 663D2 (4.5) Histology

Cell Developmental Biology Stream

ANAT 663D1 (4.5) Histology
ANAT 663D2 (4.5) Histology
ANAT 690D1 (3) Cell and Developmental Biology
ANAT 690D2 (3) Cell and Developmental Biology

Human Systems Biology Stream

6 credits required:
ANAT 690D1 (3) Cell and Developmental Biology
ANAT 690D2 (3) Cell and Developmental Biology

9 credits selected from:
BMDE 502 (3) BME Modelling and Identification
BMDE 519 (3) Biomedical Signals and Systems
BTEC 501 (3) Bioinformatics
COMP 564 (3) Computational Gene Regulation
COMP 680 (4) Mining Biological Sequences
EXMD 602 (3) Techniques in Molecular Genetics
MIMM 613 (3) Current Topics 1
MIMM 614 (3) Current Topics 2
MIMM 615 (3) Current Topics 3

22.11.1.6 Doctor of Philosophy (Ph.D.); Cell Biology and Anatomy

Thesis

Required Courses
Note: Students choose between ANAT 663D1 and ANAT 663D2 OR ANAT 690D1 and ANAT 690D2.

ANAT 663D1 (4.5) Histology
ANAT 663D2 (4.5) Histology
ANAT 690D1 (3) Cell and Developmental Biology
ANAT 690D2 (3) Cell and Developmental Biology
ANAT 701 (0) Ph.D. Comprehensive Examination

22.11.2 Biochemistry

22.11.2.1 Location

Department of Biochemistry
McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler
Montreal, QC H3G 1Y6
Canada

Christine Laberge: Student Affairs Administrator
Telephone: 514-398-2423
Fax: 514-398-4866
Email: admissions.biochemistry@mcgill.ca
Website: www.mcgill.ca/biochemistry
Website: www.mcgill.ca/biochemistry/chemicalbiology
Website: www.mcgill.ca/biochemistry/bioinformatics

22.11.2.2 About Biochemistry

The Department of Biochemistry offers M.Sc. and Ph.D. programs, which emphasize laboratory research. Our research interests include molecular and cell biology, the regulation of gene and protein expression, signal transduction, protein structure and function, membrane biology, cell death and differentiation, embryonic development, neurobiology, bioinformatics, and many aspects of cancer. Specialized graduate training programs in Chemical Biology, Human Systems Biology (Bioinformatics), Cancer Research/Oncology (http://cancercentre.mcgill.ca/research), and Structural Biology (http://grasp.mcgill.ca) are available. Laboratories are located in the new Bellini Life Sciences Building and Goodman Cancer Centre, and the renovated McIntyre Medical Sciences
Building, together comprising one of the best-equipped research facilities in Canada. The outstanding quality of our research has been recognized by recent awards including a Gairdner Award, two Killam Prizes, and five Canada Research Chairs.

Funding

Master's students receive a minimum stipend of $20,000 annually; doctoral students receive $22,000. The Department is committed to helping graduate students secure adequate funding for their research. All students are financially supported either by their supervisor or through fellowships or scholarships. Prospective students are urged to make every effort to secure their own funding. Applications may be made for a variety of fellowships administered by the University or by various federal, provincial, or private agencies. For more information on fellowships and awards, see the Graduate and Postdoctoral Studies website, www.mcgill.ca/gps.

Departmental Seminars

Visiting scientists and senior doctoral students present their research findings to the Department at a regular seminar series throughout the academic year. All graduate students are required to attend the regular seminars and additional special lectures, and are encouraged to attend scientific conferences and symposia.

section 22.11.2.5: Master of Science (M.Sc.); Biochemistry (Thesis) (45 credits)

The M.Sc. in Biochemistry introduces students to laboratory-based research at an advanced level. The M.Sc. program offers core courses in advanced biochemistry topics, but focuses on laboratory research. The program provides sophisticated training in the technical as well as theoretical aspects of biochemistry, at one of the leading Biochemistry departments in Canada. The M.Sc. program is an excellent preparation for skilled positions in the biomedical sciences, in industry or the public sector, or for superior research in a Ph.D. program.

section 22.11.2.6: Master of Science (M.Sc.); Biochemistry (Thesis) — Chemical Biology (47 credits)

The Chemical Biology Thematic Group is engaged in a diverse range of research topics which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and biophysical chemistry of living tissues. Among the themes which unite the research being performed in this group is trying to learn new chemistry and physics from biological systems. We have projects relating to pharmaceutically relevant enzymes such as those involved in drug metabolism and antibiotic resistance; development of therapeutic agents in the control of inflammation, cancer and viral infections; the chemical biology of NO; quantification of bioenergetic markers of metabolism; self-assembly mechanisms of the HIV-1 virion capsid; lipidosome microarray systems to address membrane protein dynamics and recognition; studies on reactive oxygen species translocation across the aqueous/lipid membrane interface; RNAi/antisense technologies; dynamic combinatorial chemistry; protein dynamics and function; mechanistic aspects involved in cellular adhesion and transport in membrane and zeolite channels; and cutting-edge microscopes used to examine transport, motility, and reactivity in cells.

The Chemical Biology graduate option is centred on the pursuit of an original research project under the direction of one or more mentors. The program is supported by McGill University and by the Canadian Institutes of Health Research (CIHR) through its Strategic Training Initiatives program.

The program of training incorporates several important features, including a diverse curriculum and programs of seminars, workshops, and discussion groups designed to provide students with a well-rounded exposure to both the chemical and biological aspects of the discipline. The M.Sc. option provides a foundation in the concepts and approaches of Chemical Biology.

Financial support for students in the program is available from a variety of sources, including competitively awarded CIHR-funded Chemical Biology Scholarship awards.

section 22.11.2.7: Master of Science (M.Sc.); Biochemistry (Thesis) — Bioinformatics (45 credits)

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

M.Sc. level – Students successfully completing the Bioinformatics option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field.

The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

section 22.11.2.8: Doctor of Philosophy (Ph.D.); Biochemistry

The Ph.D. in Biochemistry trains students in laboratory-based research at the highest level. The Ph.D. program is streamlined to emphasize independent research, and the many areas of biochemistry studied in our Department offer a wide choice of specialties. Students gain in-depth expertise in biochemistry and the biomedical sciences, with the opportunity to carry out research projects at a world-class level and build collaborations with other leading research groups. Graduates of the Ph.D. program are outstandingly prepared for leadership careers in the basic health sciences in industry, the public sector, or academia.

section 22.11.2.9: Doctor of Philosophy (Ph.D.); Biochemistry — Chemical Biology

The Chemical Biology Thematic Group is engaged in a diverse range of research topics which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and biophysical chemistry of living tissues. Among the themes which unite the research being performed in this group is trying to learn new chemistry and physics from biological systems. We have projects relating to pharmaceutically relevant enzymes such as those involved in drug metabolism and antibiotic resistance; development of therapeutic agents in the control of inflammation, cancer and viral infections;
2. Acceptance by a Chemical Biology research director. The director must propose a research project for the student that provides training in the methods.

1. Preliminary approval by the Department's Graduate Admission Committee based on the student's transcript, references, and other documents submitted with the application. The criteria for assessment at this level are the same as for the regular graduate programs of the Department.

As for the regular graduate programs of the Biochemistry Department, acceptance into the Chemical Biology option consists of two steps:

2. Acceptance by a Chemical Biology research director. The director must propose a research project for the student that provides training in the methods and philosophy of Chemical Biology. Project proposals are assessed by the Chemical Biology Program Committee.

### Admission Requirements

#### GRE: Subject Test in Biochemistry, Cell and Molecular Biology

- Minimum score of 550. (Not required, but strongly recommended.)

#### International Applicants

- Ph.D. level – Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field, and have the capability of developing an independent Bioinformatics research program.

The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

#### Bioinformatics Admission Requirements and Application Procedures

#### Admission Requirements

Admission is based on the candidate’s academic record, letters of recommendation, curriculum vitae, and personal statement. A minimum grade point average of 3.2/4.0 (B+) is required. Once a student has submitted all the required documents, the applicant’s file will be reviewed by the Graduate Admission Committee. Files that do not meet the minimum requirement will not be considered. Applicants must also be accepted by a research supervisor who is a Faculty member or Associate member of the Department of Biochemistry. Recommendation for admission will be made once the applicant has secured a supervisor and adequate financial support. Financial support should be in the form of a stipend from the supervisor's research grant or a fellowship held by the student.

#### Master's Program

Candidates for the M.Sc. degree must hold a B.Sc. degree or its equivalent in Biochemistry or in related disciplines (e.g., biology, chemistry, physiology, microbiology).

#### Doctoral Program

Candidates who have completed their M.Sc. degree may be admitted directly to the Ph.D. program. Candidates who are admitted to the M.Sc. program and who are interested in the Ph.D. may transfer directly to the Ph.D. program after successfully completing the transfer seminar (BIOC 701) and all course requirements. The M.Sc. thesis requirement is then waived.

#### International Applicants

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit the following:

- **TOEFL:** Minimum score of 600, or 86 on an Internet-based test with each component score of not less than 20.

- **IELTS:** Minimum overall band score of 6.5.

International students who have received their degree outside North America should submit the following:

- **GRE:** Subject Test in Biochemistry, Cell and Molecular Biology with a minimum score of 550. (Not required, but strongly recommended.)

#### Admission Requirements – Chemical Biology Option

As for the regular graduate programs of the Biochemistry Department, acceptance into the Chemical Biology option consists of two steps:

1. Preliminary approval by the Department's Graduate Admission Committee based on the student's transcript, references, and other documents submitted with the application. The criteria for assessment at this level are the same as for the regular graduate programs of the Department.

2. Acceptance by a Chemical Biology research director. The director must propose a research project for the student that provides training in the methods and philosophy of Chemical Biology. Project proposals are assessed by the Chemical Biology Program Committee.
22.11.2.3 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. curriculum vitae;
3. application fee ($100);
4. two official letters of recommendation from professors on letterhead;
5. two official transcripts;
6. test results (TOEFL/GRE) if applicable.

All information is to be submitted to the Admissions Officer, Department of Biochemistry. All applicants are encouraged to contact potential research supervisors during or before the application process since supervisor acceptance is required. Information about the research interests of faculty members can be found at www.mcgill.ca/biochemistry/graduates/research-interests and www.mcgill.ca/biochemistry/department/faculty-members/.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

22.11.2.4 Biochemistry Faculty

<table>
<thead>
<tr>
<th>Chair</th>
<th>David Y. Thomas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associate Chair</td>
<td>Kalle Gehring</td>
</tr>
</tbody>
</table>

Emeritus Professors

Rhoda Blostein; B.Sc., M.Sc., Ph.D.(McG.), F.R.S.C.
Peter E. Braun; B.Sc., M.Sc.(Br. Col.), Ph.D.(Calif., Berk.)
Robert E. MacKenzie; B.Sc.(Agr.)(McG.), M.N.S., Ph.D.(C'nel)
Edward A. Meighen; B.Sc.(Alta.), Ph.D.(Calif., Berk.)
Walter E. Mushynski; B.Sc., Ph.D.(McG.)
Theodore L. Sourkes; M.Sc.(McG.), Ph.D.(C'nel), F.R.S.C.
Clifford P. Stanners; B.Sc.(McM.), M.A., Ph.D.(Tor.)

Professors

Nicole Beauchemin; B.Sc., M.Sc., Ph.D.(Montr.) (joint appt. with Oncology and Medicine)
Albert Berghuis; B.Sc., M.Sc.(Rijks Univ. Groningen, The Netherlands), Ph.D.(Br. Col.) (Canada Research Chair in Structural Biology)
Philip E. Branton; B.Sc., M.Sc., Ph.D.(Tor.), F.R.S.C. (Gilman Cheney Professor of Biochemistry)
Kalle Gehring; B.A.(Brown), M.Sc.(Mich.), Ph.D.(Calif., Berk.) (Cheurcheur National de FRSQ)
Vincent Giguère; B.Sc., Ph.D.(Laval) (joint appt. with Oncology & Medicine)
Philippe Gros; B.Sc., M.Sc.(Montr.), Ph.D.(McG.), F.R.S.C. (James McGill Professor)
Roderick R. McInnes; B.Sc., M.D.(Dal.), Ph.D.(McG.)
William Muller; B.Sc., Ph.D.(McG.) (Canada Research Chair in Molecular Oncology)
Alain Nepveu; B.Sc., M.Sc.(Montr.), Ph.D.(Sher.) (James McGill Professor) (joint appt. with Oncology & Medicine)
Morag Park; B.Sc., Ph.D.(Glas.), F.R.S.C. (Diane & Sal Guerrera Chair in Cancer Genetics) (James McGill Professor) (joint appt. with Oncology & Medicine)
Jerry Pelletier; B.Sc., Ph.D.(McG.) (James McGill Professor)
Gordon C. Shore; B.Sc.(Guelph), Ph.D.(McG.)
Joseph Shuster; B.Sc.(McG.), Ph.D.(Calif.), M.D.(Alta.)
Professors

John R. Silvius; B.Sc., Ph.D.(Alta.)
Nahum Sonenberg; M.Sc., Ph.D.(Weizmann Inst.), F.R.S.C., F.R.S. (James McGill Professor)
David Y. Thomas; B.Sc.(Brist.), M.Sc., Ph.D.(Univ. College, Lond.), F.R.S.C. (Canada Research Chair in Molecular Genetics)
Michel L. Tremblay; B.Sc., M.Sc.(Sher.), Ph.D.(McM.), F.R.S.C. (Jeanne & Jean-Louis Levesque Chair in Cancer Research)
Maria Zannis-Hadjopoulos; B.Sc., M.Sc., Ph.D.(McG.) (joint appt. with Oncology & Medicine)

Associate Professors

Maxime Bouchard; B.Sc., Ph.D.(Laval) (Canada Research Chair in Developmental Genetics)
Imed Gallouzi; Maitrise, DEA, Ph.D.(Montpellier, France) (Canada Research Chair in Cellular Information Systems)
Arnim Pause; B.Sc., M.Sc.(U. Konstanz, Germ.), Ph.D.(McG.) (Canada Research Chair in Molecular Oncology)
Jason C. Young; B.Sc.(Tor.), Ph.D.(McM.) (Canada Research Chair in Molecular Chaperones)

Assistant Professors

Josée Dostie; B.Sc.(Sher.), Ph.D.(McG.) (CHIR New Investigators Award; Chercheur Boursier du FRSQ)
Thomas Duchaine; B.Sc., Ph.D.(Montr.) (Chercheur Boursier du FRSQ)
Bhushan Nagar; B.Sc., Ph.D.(Tor.) (Canada Research Chair in the Structural Biology of Signal Transduction)
Martin Schmeing; B.Sc.(McG.), Ph.D.(Yale)
Julie St-Pierre; B.Sc., M.Sc.(Laval), Ph.D.(Camb.)
Jose G. Teodoro; B.Sc., M.Sc.(W. Ont.), Ph.D.(McG.) (CHIR New Investigators Award; Chercheur Boursier du FRSQ)

Associate Members

Karine Auclair (Chemistry), Jacques Genest (Dept. of Medicine), Matthias Götte (Micro. & Immunol.), Michael Hallett (McGill Centre for Bioinformatics), Qutayba Hamid (Meakins-Christie Labs), Robert S. Kiss (Dept. of Medicine), Gregory Miller (Pharm. & Therapeutics), Vassilios Papadopoulos (Dept. of Medicine), Janusz Rak (Mil. Children's Hospital), Reza Salavati (Inst. of Parasitology), Maya Saleh (Dept. of Medicine), Erwin Schurr (Ctr. For Host Resistance, MGH), Charles Scrivier (Pediatrics, MCH), Peter Siegel (Dept. of Medicine), Youla S. Tsantrizos (Dept. of Chemistry), Bernard Turcotte (Dept. of Medicine, Goodman Cancer Ctr.), Simon Wing (Dept. of Medicine), Xiang-Jiao Yang (Mol. Oncol., RVH)

Adjunct Professors

Mirek Cygler (NRC/BRI), Jacques Drouin (Clin. Res. Inst.), Anny Fortin (Defra Pharma Res. & Deve. Bsba), Tarik Möröy (IRCM), Donald Nicholson (Merck Frosst), Maureen O'Connor (NRC/BRI), Enrico Purisima (NRC/BRI), René Roy (PharmaQAM), Alex Therien (Merck Frosst Canada)

22.11.2.5 Master of Science (M.Sc.); Biochemistry (Thesis) (45 credits)

Thesis Courses (36 credits)

BIOC 697 (9) Thesis Research 1
BIOC 698 (12) Thesis Research 2
BIOC 699 (15) Thesis Research 3

Required Course (3 credits)

BIOC 696 (3) Seminars in Biochemistry

Complementary Courses* (6 credits)

At least 3 credits must be chosen from the following:

BIOC 570 (3) Biochemistry of Lipoproteins
BIOC 600 (3) Advanced Strategies in Genetics and Genomics
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
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<tr>
<td>BIOC 603</td>
<td>(3)</td>
<td>Genomics and Gene Expression</td>
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<tr>
<td>BIOC 604</td>
<td>(3)</td>
<td>Macromolecular Structure</td>
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<td>BIOC 605</td>
<td>(3)</td>
<td>Structural Biology and Proteomics</td>
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<tr>
<td>EXMD 615</td>
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<td>Essentials of Glycobiology</td>
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<td>EXMD 635D1</td>
<td>(3)</td>
<td>Experimental/Clinical Oncology</td>
</tr>
<tr>
<td>EXMD 635D2</td>
<td>(3)</td>
<td>Experimental/Clinical Oncology</td>
</tr>
</tbody>
</table>

Additional credits, to a minimum of 6 total complementary course credits, of 500- or higher-level courses in biomedical and allied sciences.

* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

22.11.2.6 Master of Science (M.Sc.): Biochemistry (Thesis) — Chemical Biology (47 credits)

**Thesis Courses (33 credits)**

<table>
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<th>Course Code</th>
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<th>Course Name</th>
</tr>
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<tr>
<td>BIOC 695</td>
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<td>BIOC 698</td>
<td>(12)</td>
<td>Thesis Research 2</td>
</tr>
<tr>
<td>BIOC 699</td>
<td>(15)</td>
<td>Thesis Research 3</td>
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**Required Course (3 credits)**

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<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 696</td>
<td>(3)</td>
<td>Seminars in Biochemistry</td>
</tr>
</tbody>
</table>

**Complementary Courses* (11 credits)**

Two of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 610</td>
<td>(1)</td>
<td>Seminars in Chemical Biology 1</td>
</tr>
<tr>
<td>BIOC 611</td>
<td>(1)</td>
<td>Seminars in Chemical Biology 3</td>
</tr>
<tr>
<td>BIOC 689</td>
<td>(1)</td>
<td>Seminars in Chemical Biology 2</td>
</tr>
<tr>
<td>BIOC 690</td>
<td>(1)</td>
<td>Seminars in Chemical Biology 4</td>
</tr>
</tbody>
</table>

At least 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 502</td>
<td>(3)</td>
<td>Advanced Bio-Organic Chemistry</td>
</tr>
<tr>
<td>CHEM 503</td>
<td>(3)</td>
<td>Drug Design and Development 1</td>
</tr>
<tr>
<td>PHAR 503</td>
<td>(3)</td>
<td>Drug Design and Development 1</td>
</tr>
</tbody>
</table>

Note: Students may select either CHEM 503 or PHAR 503.

and at least 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 570</td>
<td>(3)</td>
<td>Biochemistry of Lipoproteins</td>
</tr>
<tr>
<td>BIOC 600</td>
<td>(3)</td>
<td>Advanced Strategies in Genetics and Genomics</td>
</tr>
<tr>
<td>BIOC 603</td>
<td>(3)</td>
<td>Genomics and Gene Expression</td>
</tr>
<tr>
<td>BIOC 604</td>
<td>(3)</td>
<td>Macromolecular Structure</td>
</tr>
<tr>
<td>BIOC 605</td>
<td>(3)</td>
<td>Structural Biology and Proteomics</td>
</tr>
</tbody>
</table>
EXMD 615 (3) Essentials of Glycobiology
EXMD 635D1 (3) Experimental/Clinical Oncology
EXMD 635D2 (3) Experimental/Clinical Oncology

Plus additional credits, to a total of at least 11 complementary course credits from the following list:

CHEM 504 (3) Drug Design and Development 2
CHEM 522 (3) Stereochemistry
CHEM 582 (3) Supramolecular Chemistry
CHEM 591 (3) Bioinorganic Chemistry
CHEM 621 (5) Reaction Mechanisms in Organic Chemistry
CHEM 629 (5) Organic Synthesis
CHEM 655 (4) Advanced NMR Spectroscopy
EXMD 610 (3) Bioanalytical Separation Methods
EXMD 629 (3) Techniques in Molecular Genetics
PHAR 504 (3) Drug Design and Development 2
PHAR 562 (3) General Pharmacology 1
PHAR 563 (3) General Pharmacology 2
PHAR 707 (3) Topics in Pharmacology 6

Note: Students may select either CHEM 504 or PHAR 504.

* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

22.11.2.7 Master of Science (M.Sc.); Biochemistry (Thesis) — Bioinformatics (45 credits)

Thesis Courses (30 credits)
BIOC 694 (3) Thesis Research 4
BIOC 698 (12) Thesis Research 2
BIOC 699 (15) Thesis Research 3

Required Courses (6 credits)
BIOC 696 (3) Seminars in Biochemistry
COMP 616D1 (1.5) Bioinformatics Seminar
COMP 616D2 (1.5) Bioinformatics Seminar

Complementary Courses* (9 credits)
3 credits to be chosen from the following courses:
BIOC 570 (3) Biochemistry of Lipoproteins
BIOC 600 (3) Advanced Strategies in Genetics and Genomics
BIOC 603 (3) Genomics and Gene Expression
BIOC 604 (3) Macromolecular Structure
BIOC 605 (3) Structural Biology and Proteomics
EXMD 615 (3) Essentials of Glycobiology
EXMD 635D1 (3) Experimental/Clinical Oncology
EXMD 635D2 (3) Experimental/Clinical Oncology

Plus 6 credits from the following courses:
BINF 621 (3) Bioinformatics: Molecular Biology
BMDE 652 (3) Bioinformatics: Proteomics
BTEC 555 (3) Structural Bioinformatics
COMP 618 (3) Bioinformatics: Functional Genomics
PHGY 603 (3) Systems Biology and Biophysics

* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

22.11.2.8 Doctor of Philosophy (Ph.D.); Biochemistry

Thesis

Required Courses (3 credits)
BIOC 696* (3) Seminars in Biochemistry
BIOC 701** (0) Research Seminar 1
BIOC 702** (0) Ph.D. Thesis Proposal
BIOC 703** (0) Research Seminar 2

* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

** NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

Complementary Courses*** (6 credits)
At least 3 credits selected from:
BIOC 570 (3) Biochemistry of Lipoproteins
BIOC 600 (3) Advanced Strategies in Genetics and Genomics
BIOC 603 (3) Genomics and Gene Expression
BIOC 604 (3) Macromolecular Structure
BIOC 605 (3) Structural Biology and Proteomics
EXMD 615 (3) Essentials of Glycobiology
EXMD 635D1 (3) Experimental/Clinical Oncology
EXMD 635D2 (3) Experimental/Clinical Oncology

Plus additional credits to a minimum of 6 total complementary course credits of 500- or higher-level courses in the biomedical and allied sciences.

*** Complementary courses are chosen in consultation with the Research Director.
The Graduate Advisory Committee may stipulate additional course work depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

22.11.2.9 Doctor of Philosophy (Ph.D.); Biochemistry — Chemical Biology

**Thesis**

**Required Courses (7 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 610</td>
<td>1</td>
<td>Seminars in Chemical Biology 1</td>
</tr>
<tr>
<td>BIOC 611</td>
<td>1</td>
<td>Seminars in Chemical Biology 3</td>
</tr>
<tr>
<td>BIOC 689</td>
<td>1</td>
<td>Seminars in Chemical Biology 2</td>
</tr>
<tr>
<td>BIOC 690</td>
<td>1</td>
<td>Seminars in Chemical Biology 4</td>
</tr>
<tr>
<td>BIOC 696*</td>
<td>3</td>
<td>Seminars in Biochemistry</td>
</tr>
<tr>
<td>BIOC 701**</td>
<td>0</td>
<td>Research Seminar 1</td>
</tr>
<tr>
<td>BIOC 702**</td>
<td>0</td>
<td>Ph.D. Thesis Proposal</td>
</tr>
<tr>
<td>BIOC 703**</td>
<td>0</td>
<td>Research Seminar 2</td>
</tr>
</tbody>
</table>

* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

**NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.**

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

**Complementary Courses*** (9 credits)

At least 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 502</td>
<td>3</td>
<td>Advanced Bio-Organic Chemistry</td>
</tr>
<tr>
<td>CHEM 503</td>
<td>3</td>
<td>Drug Design and Development 1</td>
</tr>
<tr>
<td>PHAR 503</td>
<td>3</td>
<td>Drug Design and Development 1</td>
</tr>
</tbody>
</table>

Students can take either CHEM 503 or PHAR 503.

At least 3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Biochemistry of Lipoproteins</td>
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<tr>
<td>BIOC 600</td>
<td>3</td>
<td>Advanced Strategies in Genetics and Genomics</td>
</tr>
<tr>
<td>BIOC 603</td>
<td>3</td>
<td>Genomics and Gene Expression</td>
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<tr>
<td>BIOC 604</td>
<td>3</td>
<td>Macromolecular Structure</td>
</tr>
<tr>
<td>BIOC 605</td>
<td>3</td>
<td>Structural Biology and Proteomics</td>
</tr>
<tr>
<td>EXMD 615</td>
<td>3</td>
<td>Essentials of Glycobiology</td>
</tr>
<tr>
<td>EXMD 635D1</td>
<td>3</td>
<td>Experimental/Clinical Oncology</td>
</tr>
<tr>
<td>EXMD 635D2</td>
<td>3</td>
<td>Experimental/Clinical Oncology</td>
</tr>
</tbody>
</table>

Plus additional credits to a total of at least 11 complementary courses credits from the following list:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 504</td>
<td>3</td>
<td>Drug Design and Development 2</td>
</tr>
<tr>
<td>CHEM 522</td>
<td>3</td>
<td>Stereochemistry</td>
</tr>
<tr>
<td>CHEM 582</td>
<td>3</td>
<td>Supramolecular Chemistry</td>
</tr>
<tr>
<td>CHEM 591</td>
<td>3</td>
<td>Bioinorganic Chemistry</td>
</tr>
</tbody>
</table>
Students can take either CHEM 504 or PHAR 504.

*** Complementary courses are chosen in consultation with the Research Director. The Graduate Advisory Committee may stipulate additional course work depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

**22.11.2.10 Doctor of Philosophy (Ph.D.); Biochemistry — Bioinformatics**

**Thesis**

**Required Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 696*</td>
<td>3</td>
<td>Seminars in Biochemistry</td>
</tr>
<tr>
<td>BIOC 701**</td>
<td>0</td>
<td>Research Seminar 1</td>
</tr>
<tr>
<td>BIOC 702**</td>
<td>0</td>
<td>Ph.D. Thesis Proposal</td>
</tr>
<tr>
<td>BIOC 703**</td>
<td>0</td>
<td>Research Seminar 2</td>
</tr>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
</tbody>
</table>

* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

** NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

**Complementary Courses*** (9 credits)

3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Biochemistry of Lipoproteins</td>
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<tr>
<td>BIOC 600</td>
<td>3</td>
<td>Advanced Strategies in Genetics and Genomics</td>
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<td>BIOC 603</td>
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<td>Genomics and Gene Expression</td>
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<tr>
<td>BIOC 604</td>
<td>3</td>
<td>Macromolecular Structure</td>
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<td>BIOC 605</td>
<td>3</td>
<td>Structural Biology and Proteomics</td>
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<tr>
<td>EXMD 615</td>
<td>3</td>
<td>Essentials of Glycobiology</td>
</tr>
<tr>
<td>EXMD 635D1</td>
<td>3</td>
<td>Experimental/Clinical Oncology</td>
</tr>
<tr>
<td>EXMD 635D2</td>
<td>3</td>
<td>Experimental/Clinical Oncology</td>
</tr>
</tbody>
</table>

Plus 6 credits from the following:
22.11.3 Bioethics

22.11.3.1 Location

For information, write to:
Jennifer Fishman, Graduate Program Director
Biomedical Ethics Unit
3647 Peel Street
Montreal, QC H3A 1X1
Canada

Telephone: 514-398-6980
Fax: 514-398-8349
Website: www.mcgill.ca/biomedicalethicsunit/masters

22.11.3.2 About Bioethics

The Biomedical Ethics Unit was established in 1996 with the aim of supporting scholarly research, clinical services, teaching, and public outreach. Members of the unit have backgrounds in anthropology, history, law, medicine, molecular genetics, philosophy, and sociology. We offer a master's degree specialization in biomedical ethics for selected master's students in the Division of Experimental Medicine, Genetics Department, Philosophy Department, Faculty of Religious Studies, and Faculty of Law.

Master's Specialization in Bioethics

The Master's Specialization in Bioethics is sponsored by the:

- Faculty of Medicine, Division of Experimental Medicine;
- Faculty of Law;
- Faculty of Religious Studies; and
- Faculty of Arts, Department of Philosophy.

Students receive an M.A., LL.M., or M.Sc. degree in the discipline chosen with a specialization in Bioethics.

Students pursuing the master's degree specialization normally take two semesters of courses before beginning their master's thesis. Courses offered include Bioethics Theory, Public Health Ethics and Policy, Research Ethics, and a Practicum that includes placement in a clinical or research setting. Research and writing the thesis normally takes one year. Students must also comply with the course and thesis requirements of their home disciplines.

22.11.3.3 Bioethics Admission Requirements and Application Procedures

22.11.3.3.1 Admission Requirements

M.D., bachelor's-level professional training in a health science, or bachelor's degree in law, philosophy, or religious studies. Other students may be considered on an individual basis.

Enrolment is limited to 12 students.

22.11.3.3.2 Application Procedures

Applications for the Master's Specialization in Bioethics are made initially through the Faculties of Law, Medicine (Division of Experimental Medicine), Religious Studies, and the Department of Philosophy. McGill's online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Applicants must satisfy the admission criteria for their chosen discipline and those of the Bioethics Unit, which administers the program and teaches the core courses. www.mcgill.ca/biomedicalethicsunit/masters/apply/. Please submit all supporting documents to your base department. Once you have completed your online application, send an email to heike.faerber@mcgill.ca at the Bioethics Unit stating your chosen base discipline.
 Applicants must be accepted by the appropriate Faculty, the Bioethics Graduate Studies Advisory Committee, and Graduate and Postdoctoral Studies.

### 22.11.3.4 Bioethics Faculty

**Faculty**

- E. Bereza; B.A., M.D., C.M.(McG.), C.C.F.P.(C)
- A. Campbell; B.A., LL.B., B.C.L.(McG.), LL.M.(Harv.)
- C. Ells; R.R.T.(VGH), B.A.(St. Mary’s), M.A., Ph.D.(Tenn.)
- J.R. Fishman; B.A.(Calif., Berk.), Ph.D.(Calif., SF)
- K.C. Glass; A.M.(Chic.), LL.B., B.C.L., D.C.L.(McG.)
- J. Kimmelman; B.S.(Duke), Ph.D.(Yale)
- N.B. King; B.A.(Penn.), M.A., Ph.D.(Harv.)

### 22.11.4 Biomedical Engineering

#### 22.11.4.1 Location

Department of Biomedical Engineering  
Duff Medical Building  
3775 University Street, Room 316  
Montreal, QC H3A 2B4  
Canada

Telephone: 514-398-6736  
Fax: 514-398-7461  
Website: [www.bmed.mcgill.ca](http://www.bmed.mcgill.ca)

#### 22.11.4.2 About Biomedical Engineering

The Department offers a graduate training program leading to master's (M.Eng.) and Ph.D. degrees in Biomedical Engineering. We provide instruction and opportunities for interdisciplinary research in the application of engineering, mathematics, and the physical sciences to problems in medicine and the life sciences. Courses are offered for graduate students in the life sciences and in engineering and the physical sciences. Excellent laboratory facilities for basic and applied research are available in the Department and in the laboratories of associated staff located elsewhere on campus. The Department operates a network of high-performance workstations and well-equipped mechanical and electronics workshops.

Basic research in the Department concentrates on the application of quantitative engineering analysis methods to basic biomedical research problems. Currently active areas of research include: neuromuscular and postural control, muscle mechanics, the vestibular system, oculomotor control, the auditory system, joint prosthetics, biomaterials, artificial cells and organs, cell and tissue engineering, drug delivery, probiotics, functional food and nutraceuticals, medical imaging, microfluidics, nanotechnology and bioinformatics in genomics and proteomics. Staff members are also active in more applied research related to the development of quantitative analysis tools and instruments for biomedical research. Areas of activity here include: signal analysis, system identification, modelling, simulation and parameter estimation, image processing, pattern recognition, ultrasound, and biorobotics. A new option in bioinformatics is offered jointly with other University departments.

Graduate students may also be registered through the departments of Medicine, Science, and Engineering, and must then fulfill the requirements for advanced degrees imposed by their respective departments.

In addition, all students are required, through coursework and independent study, to achieve a degree of interdisciplinary competence appropriate to their area of specialization.

M.Eng. Progress Meetings: 1) Initial; 2) Progress; and Fast-Track transfer to the Ph.D. program. Details of each meeting can be found at: [www.bmed.mcgill.ca/policies_forms.html](http://www.bmed.mcgill.ca/policies_forms.html).

Ph.D. Progress Meetings: 1) Preliminary; 2) Comprehensive Preparation; 3) Thesis Proposal and Comprehensive Exam; 4) Thesis Progress; and 5) Thesis Pre-Submission. Details of each meeting can be found at: [www.bmed.mcgill.ca/policies_forms.html](http://www.bmed.mcgill.ca/policies_forms.html).

**section 22.11.4.5: Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) (45 credits)**

In the first Biomedical Engineering (BME) department in Canada, BME internationally renowned staff provide frequent and stimulating interactions with physicians, scientists in many fields, and with the biomedical industry. McGill BME provides opportunities to receive training in a unique multidisciplinary environment, taking advantage of research collaborations between staff in the Faculties of Medicine, Science, and Engineering. BME offers only thesis-based graduate degrees (M.Eng.) spanning broad themes in biomodelling, biosignal processing, medical imaging, nanotechnology, artificial cells and organs, probiotics, bioinformatics, bioengineering, biomaterials, and orthopaedics. For details, please refer to the BME website: [www.bmed.mcgill.ca](http://www.bmed.mcgill.ca). The best preparation is with a Bachelor's Degree in Engineering, Science, or Medicine with a strong emphasis on mathematics, physics, chemistry, and basic
**section 22.11.4.5: Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) (45 credits)**

Physiology, or cell biology. BME graduates have secured positions in academia, biomedical and other industries, and government or regulatory sectors. To our knowledge, all of our graduates have secured suitable employment either before or within a few months of graduation.

**section 22.11.4.6: Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) — Bioinformatics (45 credits)**

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train M.Eng. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics Option will be fluent in the concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

**section 22.11.4.7: Doctor of Philosophy (Ph.D.); Biomedical Engineering**

In the first Biomedical Engineering (BME) department in Canada, BME internationally renowned staff provide frequent and stimulating interactions with physicians, scientists in many fields and with the biomedical industry. McGill BME provides opportunities to receive training in a unique multidisciplinary environment, taking advantage of research collaborations between staff in the Faculties of Medicine, Science, and Engineering. BME offers only thesis-based graduate degrees (Ph.D.) spanning broad themes in biomodelling, biosignal processing, medical imaging, nanotechnology, artificial cells and organs, probiotics, bioinformatics, bioengineering, biomaterials, and orthopaedics. For details, please refer to the BME website: [www.bmed.mcgill.ca](http://www.bmed.mcgill.ca). The best preparation is with a bachelor's degree in Engineering, Science, or Medicine and a master's degree in Biomedical Engineering, Bioengineering, Biotechnology, Electrical Engineering, Physiology, Chemical Engineering, Biomatieral, System Engineering, Imaging, or other related areas. BME graduates have secured positions in academia, biomedical, and other industries, and government or regulatory sectors. To our knowledge, all of our graduates have secured suitable employment either before or within a few months of graduation.

**section 22.11.4.8: Doctor of Philosophy (Ph.D.); Biomedical Engineering — Bioinformatics**

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train Ph.D. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics. Students successfully completing the Bioinformatics Option will be fluent in the concepts, language, approaches, and limitations of the field and will have the capability of developing an independent Bioinformatics research program. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

### 22.11.4.3 Biomedical Engineering Admission Requirements and Application Procedures

**22.11.4.3.1 Admission Requirements**

See the Admission Requirements (minimum requirements to be considered for admission) section in the Graduate and Postdoctoral Studies Regulations and Resources publication available at [www.mcgill.ca/study](http://www.mcgill.ca/study). In addition, please see the Department website: [www.bmed.mcgill.ca](http://www.bmed.mcgill.ca).

**22.11.4.3.2 Application Procedures**

Please address enquiries directly to the Department.

McGill’s online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

**Note:** We are not willing to consider any applications to be admitted for the Summer term.

### 22.11.4.4 Biomedical Engineering Faculty

**Chair**

H.L. Galiana

**Emeritus Professor**

T.M.S. Chang; B.Sc., M.D., C.M., Ph.D.(McG.), F.R.C.P.(C) F.R.S.(C) (joint appt. with Physiology)

**Professors**

J.D. Bobyn; B.Sc., M.Sc.(McG.), Ph.D.(Tor.) (joint appt. with Surgery)
Professors

D.L. Collins; B.Sc., M.Eng., Ph.D.(McG.) (joint appt. with Neurology and Neurosurgery)
A.C. Evans; B.Sc.(Liv.), M.Sc.(Sur.), Ph.D.(Leeds) (joint appt. with Neurology and Neurosurgery)
H.L. Galiana; B.Eng., M.Eng., Ph.D.(McG.)
R.E. Kearney; B.Eng., M.Eng., Ph.D.(McG.)
G.B. Pike; B.Eng., M.Eng., Ph.D.(McG.) (joint appt. with Neurology and Neurosurgery)
S. Prakash; B.Sc.(Hon.), M.Sc., M.Tech.(BHU), Ph.D.(McG.)
M. Tabrizian; B.Sc.(Iran), M.Sc., Ph.D.(PMC-France), M.B.A.(HEC) (joint appt. with Dentistry)

Associate Professors

W.R.J. Funnell; B.Eng., M.Eng., Ph.D.(McG.) (joint appt. with Otolaryngology)
J.L. Nadeau; B.A., Ph.D.(Minn.)

Assistant Professors

C. Grova; B.Sc. M.Sc.(UTC-France), Ph.D.(Rennes)
D. Juncker; Dipl., Ph.D.(Neuch-Switzerland)

Associate Members

C. Baker (Ophthalmology), F. Barthelat (Mechanical Engineering), K. Cullen (Physiology), J. Gotman (Neurology and Neurosurgery), D. Guiot (Biomedical Engineering), E. Jones (Chemical Engineering), A. Katsarbas (Otolaryngology), A.M. Lauzon (Medicine), R. Leask (Chemical Engineering), T. Milner (Kinesiology & Physical Education), L. Mongeau (Mechanical Engineering), R. Mongrain (Mechanical Engineering), I. El Naqa (Oncology), S.N. Nazhat (Mining, Metals and Materials Engineering), A. Reader (Neurology and Neurosurgery), A. Shmuel (Neurology and Neurosurgery)

Adjunct Professor

P.G. Charette (Sher.)

22.11.45 Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) (45 credits)

Thesis Courses (24 credits)

BMDE 695 (12) Thesis Submission

12 credits selected from the following courses:

BMDE 690 (3) Thesis Research 1
BMDE 691 (3) Thesis Research 2
BMDE 692 (3) Thesis Research 3
BMDE 693 (6) Thesis Research 4
BMDE 694 (6) Thesis Research 5

Complementary Courses (21 credits)

12 credits of courses which have both biomedical content and content from the physical sciences, engineering, or computer science selected from the following:

BIOT 505 (3) Selected Topics in Biotechnology
BMDE 500D1 (1.5) Seminars in Biomedical Engineering
BMDE 500D2 (1.5) Seminars in Biomedical Engineering
BMDE 501 (3) Selected Topics in Biomedical Engineering
BMDE 502 (3) BME Modelling and Identification
Biomedical Instrumentation (3) BMDE 503
Biomaterials and Bioperformance (3) BMDE 504
Cell and Tissue Engineering (3) BMDE 505
Molecular Biology Techniques (3) BMDE 506
Introduction to Micro and Nano-Bioengineering (3) BMDE 508
Biomedical Signals and Systems (3) BMDE 519
Advanced Medical Imaging (3) BMDE 650
Orthopaedic Engineering (3) BMDE 651
Bioinformatics: Proteomics (3) BMDE 652
Probabilistic Reasoning and AI (3) COMP 526
Fundamentals of Computer Vision (3) COMP 558
Computational Perception (4) COMP 646
Advanced Topics Theory 2 (4) COMP 761
Speech Communications (3) ECSE 523
Artificial Intelligence (3) ECSE 526
Computer and Biological Vision (3) ECSE 529
Statistical Computer Vision (4) ECSE 626
Colloquium in Electrical Engineering (4) ECSE 681
Biomedical Methods in Medical Research (3) EXMD 610
Introduction to Medical Imaging (2) MDPH 607
Medical Electronics (2) MDPH 611
Computers in Medical Imaging (2) MDPH 612
Selected Topics in Mechanical Engineering (3) MECH 500
Biomechanics of Musculoskeletal Systems (3) MECH 561
Artificial Internal Organs (3) PHGY 517
Artificial Cells (3) PHGY 518

or, with the approval of the student’s Graduate Advisory Committee and the Graduate Program Chair, other graduate-level courses with content of interest to biomedical engineering students.

9 credits selected from the courses listed above, or with approval of the Graduate Chair and Supervisor.

22.11.4.6 Master of Engineering (M.Eng.); Biomedical Engineering (Thesis) — Bioinformatics (45 credits)

Thesis Courses (24 credits)
BMDE 693 (6) Thesis Research 4
BMDE 694 (6) Thesis Research 5
BMDE 695 (12) Thesis Submission

Required Courses (3 credits)
COMP 616D1 (1.5) Bioinformatics Seminar
COMP 616D2 (1.5) Bioinformatics Seminar

Complementary Courses (18 credits)
12 credits of courses which have both biomedical content and content from the physical sciences, engineering, or computer science selected from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit(s)</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOT 505</td>
<td>(3)</td>
<td>Selected Topics in Biotechnology</td>
</tr>
<tr>
<td>BMDE 500D1</td>
<td>(1.5)</td>
<td>Seminars in Biomedical Engineering</td>
</tr>
<tr>
<td>BMDE 500D2</td>
<td>(1.5)</td>
<td>Seminars in Biomedical Engineering</td>
</tr>
<tr>
<td>BMDE 501</td>
<td>(3)</td>
<td>Selected Topics in Biomedical Engineering</td>
</tr>
<tr>
<td>BMDE 502</td>
<td>(3)</td>
<td>BME Modelling and Identification</td>
</tr>
<tr>
<td>BMDE 503</td>
<td>(3)</td>
<td>Biomedical Instrumentation</td>
</tr>
<tr>
<td>BMDE 504</td>
<td>(3)</td>
<td>Biomaterials and Bioperformance</td>
</tr>
<tr>
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<td>(3)</td>
<td>Cell and Tissue Engineering</td>
</tr>
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<td>(3)</td>
<td>Molecular Biology Techniques</td>
</tr>
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<td>(3)</td>
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</tr>
<tr>
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<td>(4)</td>
<td>Advanced Topics Theory 2</td>
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<tr>
<td>ECSE 523</td>
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<td>Speech Communications</td>
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<td>Artificial Intelligence</td>
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<td>ECSE 681</td>
<td>(4)</td>
<td>Colloquium in Electrical Engineering</td>
</tr>
<tr>
<td>EXMD 610</td>
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<td>Biomedical Methods in Medical Research</td>
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<td>PHGY 518</td>
<td>(3)</td>
<td>Artificial Cells</td>
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6 credits selected from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit(s)</th>
<th>Course Title</th>
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<tbody>
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<td>BINF 621</td>
<td>(3)</td>
<td>Bioinformatics: Molecular Biology</td>
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<tr>
<td>BMDE 652</td>
<td>(3)</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>BTEC 555</td>
<td>(3)</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>(3)</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>(3)</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

In addition, students are required to present their work as a conference paper or departmental seminar before being granted the M.Eng. (Bioinformatics Option) degree.
22.11.4.7 Doctor of Philosophy (Ph.D.); Biomedical Engineering

Thesis

Required Course

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMDE 700</td>
<td>0</td>
<td>Ph.D. Comprehensive</td>
</tr>
</tbody>
</table>

Students must be registered in the course at the time of the Thesis Proposal and Comprehensive Exam Meeting.

22.11.4.8 Doctor of Philosophy (Ph.D.); Biomedical Engineering — Bioinformatics

Thesis

Required Courses (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMDE 700</td>
<td>0</td>
<td>Ph.D. Comprehensive</td>
</tr>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
</tbody>
</table>

Any additional coursework required will be determined on an individual basis by the student's adviser and the Graduate Program Director.

Complementary Courses (6 credits)

6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>3</td>
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<tr>
<td>PHGY 603</td>
<td>3</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

22.11.5 Communication Sciences and Disorders

22.11.5.1 Location

School of Communication Sciences and Disorders
Beatty Hall
1266 Pine Avenue West
Montreal, QC H3G 1A8
Canada

Telephone: 514-398-4137
Fax: 514-398-8123
Email: scsd@mcgill.ca
Website: www.mcgill.ca/scsd

22.11.5.2 About Communication Sciences and Disorders

The School provides both professional and research training in communication sciences and disorders at the graduate level through its M.Sc. (Applied), M.Sc., and Ph.D. degrees. We were the first department in Canada to provide both clinical and research degrees. Our M.Sc.A. program aims to educate the next generation of well-prepared and innovative speech-language pathology professionals by providing enriched classroom training, clinical laboratory activities that enhance the transition from theory to practice, and outstanding clinical practicum experiences. Our research degrees are designed to develop leading researchers and scholars, who will go on to train future investigators in the field of communication sciences and disorders and who, through their research, will advance our understanding of the processes of human communication and its breakdown. Interdisciplinary interactions are at the core of our research training approach, which includes preparation to conduct both fundamental and clinically applied investigations. Our professors have collaborative ties with many departments and institutes of McGill (psychology, linguistics, neuroscience, otolaryngology, biomedical engineering, Montreal Neurological Institute) and other Montreal universities and maintain national and international collaborations. Students can access this rich collaborative network via the...
McGill Centre for Research on Language, Mind and Brain, a world-class interdisciplinary research centre established and directed by the School. The multilingual context in which we reside provides a unique environment for language research.

The School offers a professional degree in Communication Sciences and Disorders at the M.Sc. (Applied) level with specialization in Speech Language Pathology and two research degrees: an M.Sc. (Research) and a Ph.D. in Communication Sciences and Disorders.

Requirements for Licensure

The majority of provinces in Canada and certain states in the U.S. require that those intending to practise as speech-language pathologists within their borders comply with special provincial or state licensing regulations. Graduates wishing to practise in the province of Quebec must be members of the Ordre des Orthophonistes et Audiologistes du Québec (OOAQ) in order to call themselves speech-language pathologists. Further information is available from the OOAQ, 235 boulevard René Lévesque est, bureau 601, Montreal, Quebec, H2X 1N6. Telephone: 514-282-9123. Website: www.ooaq.qc.ca.

Quebec law requires that candidates seeking licensure in provincially recognized professions demonstrate a verbal and written working knowledge of the French language. See the Language Requirements for Professions in the General Information and Regulations section of the Health Sciences Calendar available at www.mcgill.ca/study.

Funding

The IODE Provincial Chapter of Quebec funds two $1,000 “Silence to Sound” awards for studies in hearing impairment. These in-course awards are based on academic merit, financial need, and potential for excellence, and are awarded by the School.

Montreal League for the Hard of Hearing Award – Candidates must be enrolled at the graduate level in the School and working in the area of hearing impairment. Awarded by the School. Value: up to $1,000.

section 22.11.5.5: Master of Science, Applied (M.Sc.A.); Communication Sciences & Disorders (Non-Thesis) — Speech-Language Pathology (69 credits)

The professional degree leads to a Master of Science (Applied) with a specialization in Speech Language Pathology. The program involves two academic years of full-time study and related practical work followed by a Summer internship. To prepare students as creative professionals, the program emphasizes the understanding of principles and theories, and their present or potential clinical applications, in addition to the teaching of specific techniques for assessment and intervention. Active participation in the learning process is encouraged.

The profession of speech-language pathology concerns assessment and intervention in speech and language disorders. In particular, the speech-language pathologist is concerned with two major parameters of communication sciences and disorders: language and speech. At present, most speech-language pathologists in Canada work in hospitals, public school systems, rehabilitation centres, and in special education facilities.

Students pursuing the M.Sc.A. complete the basic academic content and clinical practica required in preparation for clinical practice as outlined by CASLPA (Canadian Association of Speech Language Pathologist and Audiologists). Our M.Sc.A. program is completed in two years whereas some other programs require three years to complete. The emphasis on bridging theory and clinical practice is very strong in our program. Our admission requirements emphasize basic sciences and do not require completion of a specific undergraduate degree. This flexible entry accommodates students with undergraduate degrees in different fields and promotes diversity within our student body. Our goal is to recruit and train skillful therapists and problem-solvers who can rely on strong foundation in theory to address challenging clinical issues. Our M.Sc.A. graduates typically pursue a professional career working in schools, hospitals, rehabilitation centres, or in private practices. A subset of our graduates will enter a doctoral program (immediately or after a period of clinical employment) to pursue a research career.

Research Degrees – M.Sc. and Ph.D.

section 22.11.5.6: Master of Science (M.Sc.); Communication Sciences and Disorders (Thesis) (45 credits)

Selected candidates may be accepted for the M.Sc. research degree. Each student’s thesis supervisor and Thesis Committee design an individualized program of study in collaboration with the student. The program can include graduate courses offered by the School and by other departments at McGill. This program is designed for students who wish to combine research training with their clinical (M.Sc.A.) program or students from related fields who wish to gain research experience in communication sciences to prepare for doctoral studies. Students are required to take two semesters (6 credits) of statistics and complete a thesis. Admission to the M.Sc. research program requires identification of an SCSD professor(s) with relevant expertise to mentor the student through the thesis process. Graduates of our M.Sc. research program follow diverse career paths working in clinical settings (if they also have a clinical degree) or settings that combine clinical and research activities or continuing their research training at the doctoral level.

section 22.11.5.7: Doctor of Philosophy (Ph.D.); Communication Sciences and Disorders

Selected candidates may be accepted for the Ph.D. research degree. Each student’s thesis supervisor and Thesis Committee design an individualized program of study in collaboration with the student. The program can include graduate courses offered by the School and by other departments at McGill.

Students pursuing a Ph.D. in SCSD have varied educational backgrounds, including both clinical and related non-clinical fields. Students who enter the program from a related field (e.g., Psychology, Linguistics) or without a master’s thesis complete a qualify year, which includes coursework and a research project. This flexible entry attracts independent scholars with diverse backgrounds and interests, which creates a stimulating and enriched training environment. The main component of the Ph.D. program (beyond the qualifying year) has minimal required coursework and is structured to support students as they develop and pursue an innovative, individualized program of doctoral studies. Admission to the doctoral program requires identification of a SCSD professor(s) with relevant expertise to mentor the student in this process. Ph.D. students have the opportunity to pursue an interdisciplinary specialization in language acquisition through the McGill Language Acquisition Program, which intersects with McGill departments of Linguistics, Psychology, and Education. Our Ph.D. graduates typically pursue academic careers in universities or research institutes, but some work in settings that combine research and professional activities.
section 22.11.5.8: Doctor of Philosophy (Ph.D.); Communication Sciences and Disorders — Language Acquisition

Information about this option is available from the School and at http://ego.psych.mcgill.ca/lan.html. This unique interdisciplinary Ph.D. program is available for doctoral students across four departments at McGill including SCSD, Linguistics, Psychology, and Integrated Studies in Education. The program is designed to provide enriched training focused on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition Program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology. In addition to the SCSD Ph.D. requirements, students in this program must complete 6 credits of coursework in language acquisition (including at least one course that is not in their home department), and four interdisciplinary seminars (2 credits each) and must include a faculty member in the Language Acquisition Program on their thesis committee.

22.11.5.3 Communication Sciences and Disorders Admission Requirements and Applications Procedures

22.11.5.3.1 Admission Requirements

M.Sc. (Applied)
An applicant must hold an undergraduate degree with a minimum B average (3.0 on a 4.0 point scale) or better in areas relevant to the selected field of specialization. Specific requirements are 6 credits in statistics, a total of 18 credits across the disciplines of psychology and linguistics (with a minimum of 6 credits in each discipline). Knowledge of physiology is also desirable.

M.Sc. in Communication Sciences and Disorders
The M.Sc. provides research training for:

1. students who are also taking courses for professional qualification;
2. students who have a non-thesis professional degree in Communication Sciences and Disorders; and
3. students with degrees in related fields who wish to do research but not obtain professional qualification in Communication Sciences and Disorders.

Ph.D. in Communication Sciences and Disorders
Applicants should normally have a master's degree with thesis or its equivalent in Communication Sciences and Disorders or a related field (e.g., psychology, linguistics).

Students who possess an appropriate bachelor’s degree or master’s degree without thesis will also be considered for the Ph.D. program, but, if admitted, must first complete a qualifying year of coursework and a research project.

22.11.5.3.2 Application Procedures

Please see the School of Communication Sciences and Disorders website at www.mcgill.ca/scsd/programs/application for required application materials.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. The School of Communication Sciences and Disorders will only consider applications upon receipt of the following documentation by the dates for guaranteed consideration:

- online application;
- Prerequisite Form;
- two letters of recommendation;
- two official copies of transcripts from all universities attended.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission: the Test of English as a Foreign Language (TOEFL) with a minimum score of 587 (paper-based) or 95 on the Internet-based test with minimum component scores of 24 in both Speaking and Writing and 21 in both Reading and Listening, or the International English Language Testing System (IELTS) with a minimum overall band score of 7.0.

M.Sc. (Thesis) and Ph.D. programs

All applications received by the dates for guaranteed consideration are automatically considered for any internal funding or awards made available to the Department for recruitment purposes. Students who apply for Fall admission generally have the most options with respect to applying for external funding as well as for being considered for internal support.

Applications will be considered upon receipt of supporting documents as outlined above. All applicants are strongly encouraged to submit reports of their performance on the Graduate Record Examination (GRE).

22.11.5.4 Communication Sciences and Disorders Faculty

Interim Director

Marc Pell
<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Research Director</strong></td>
<td>Linda Polka</td>
</tr>
<tr>
<td><strong>Emeritus Professor</strong></td>
<td>Donald Doehring; B.A.(Buff.), M.A.(N.M.), Ph.D.(Ind.)</td>
</tr>
<tr>
<td><strong>Professors</strong></td>
<td>Shari Baum; B.A.(Ch'nell), M.S.(Vermont), M.A., Ph.D.(Brown)</td>
</tr>
<tr>
<td></td>
<td>Athanasios Katsarkas; M.D.(Thess.), M.Sc.(McG.), F.R.C.P.(C)</td>
</tr>
<tr>
<td><strong>Associate Professors</strong></td>
<td>Vincent Gracco; B.A., M.A.(San Diego), Ph.D.(Wisc.-Madison)</td>
</tr>
<tr>
<td></td>
<td>Marc Pell; B.A.(Ott.), M.Sc., Ph.D.(McG.)</td>
</tr>
<tr>
<td></td>
<td>Linda Polka; B.A.(Slippery Rock), M.A.(Minn.), Ph.D.(S. Flor.)</td>
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<td></td>
<td>Susan Rvachew; B.Sc.(Alta.), M.Sc., Ph.D.(Calg.)</td>
</tr>
<tr>
<td></td>
<td>Karsten Steinhauer; M.Sc., Ph.D.(Dr.rer.nat)(Free Univ., Berlin)</td>
</tr>
<tr>
<td></td>
<td>Elin Thordardottir; B.A., M.Sc., Ph.D.(Wisc.-Madison)</td>
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<tr>
<td><strong>Assistant Professors</strong></td>
<td>Meghan Clayards; B.Sc.(Vic., BC), M.A., Ph.D.(Roch.)</td>
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<tr>
<td></td>
<td>Laura Gonnerman; B.A.(Boston), M.A.(Middlebury), Ph.D.(USC)</td>
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<tr>
<td></td>
<td>Aparna Nadig; B.A.(Reed), M.S., Ph.D.(Brown)</td>
</tr>
<tr>
<td><strong>Assistant Professors (Part-Time)</strong></td>
<td>Christina Lattermann; Staatlich anerkannte Logopaedin(Westfälische Wilhelms-Universität, Muenster), M.Sc.(McG.), Ph.D.(Kassel)</td>
</tr>
<tr>
<td></td>
<td>Gabriel Leonard; B.A.(Dublin), D.A.P., M.Sc., Ph.D.(McG.)</td>
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<tr>
<td></td>
<td>Rosalee Shenker; B.Sc.(Syrac.), M.A.(Calif. St.), Ph.D.(McG.)</td>
</tr>
<tr>
<td><strong>Faculty Lecturer</strong></td>
<td>Anne Vogt; B.Ed., B.A.(Tel Aviv), M.Sc.A.(McG.)</td>
</tr>
<tr>
<td><strong>Faculty Lecturers (Part-Time)</strong></td>
<td>Francois-Xavier Brajot; B.A.(Georgia), M.Sc.(Pitt.)</td>
</tr>
<tr>
<td></td>
<td>Myrto Brandekier; M.Sc.(Karolinska Inst.)</td>
</tr>
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<td>Françoise Brosseau-Lapre; B.A., M.Sc.A.(McG.)</td>
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<td>Liliane Brunetti; B.Sc.(C'dia), M.Cl.Sc.(W. Ont.)</td>
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<td>Patricia Coffin; B.A.(PEI), M.Sc.(Dal.)</td>
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<td></td>
<td>Karen Evans; Licentiate(L.C.S.T.), M.A.(Car.), M.Sc.(McG.)</td>
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<td></td>
<td>Esther Lando; B.A.(Manit.), M.Sc.A.(McG.)</td>
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<td>James Lapointe; B.A., M.Sc.A.(McG.)</td>
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<td>Darla Orchard; B.A., M.Sc.(McG.)</td>
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<tr>
<td></td>
<td>Judith Robillard-Shultz; B.A., M.Sc.A.(McG.)</td>
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<tr>
<td></td>
<td>Nechama Srebro-Dworkind; B.A.(C'dia), M.Sc.A.(McG.)</td>
</tr>
<tr>
<td></td>
<td>Colleen Timm; B.A.(C'dia), M.Sc.A.(McG.)</td>
</tr>
</tbody>
</table>
Associate Members

Eva Kehayia (Physical and Occupational Therapy)
Yuriko Oshima-Takane (Psychology)

Adjunct Members

Howard Chertkow (Jewish Gen.), David McFarland (Montr.), Lucie Menard (UQAM)

22.11.5.5 Master of Science, Applied (M.Sc.A.); Communication Sciences & Disorders (Non-Thesis) — Speech-Language Pathology (69 credits)

The professional degree program involves two academic years of full-time study and related practical work followed by a Summer internship.

Required Courses (63 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SCSD 609</td>
<td>3</td>
<td>Neuromotor Disorders</td>
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<tr>
<td>SCSD 616</td>
<td>3</td>
<td>Audiology</td>
</tr>
<tr>
<td>SCSD 617</td>
<td>3</td>
<td>Anatomy and Physiology: Speech and Hearing</td>
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<td>SCSD 618</td>
<td>3</td>
<td>Research and Measurement Methodologies 1</td>
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<td>Phonological Development</td>
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<td>SCSD 624</td>
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<td>Language Processes</td>
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<td>Speech Science</td>
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<td>3</td>
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<td>SCSD 633</td>
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<td>Language Development</td>
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<td>Fluency Disorders</td>
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<td>SCSD 638</td>
<td>3</td>
<td>Neurolinguistics</td>
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<td>SCSD 639</td>
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<td>SCSD 644</td>
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<td>SCSD 646</td>
<td>2</td>
<td>Introductory Clinical Practicum</td>
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<tr>
<td>SCSD 669</td>
<td>3</td>
<td>ASD and Neurodevelopmental Disorders</td>
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<tr>
<td>SCSD 679</td>
<td>2</td>
<td>Advanced Clinical Practicum</td>
</tr>
<tr>
<td>SCSD 680</td>
<td>3</td>
<td>Deglutition and Dysphagia</td>
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<tr>
<td>SCSD 681</td>
<td>1</td>
<td>Practicum and Seminar 1</td>
</tr>
<tr>
<td>SCSD 682</td>
<td>1</td>
<td>Practicum and Seminar 2</td>
</tr>
<tr>
<td>SCSD 683</td>
<td>1</td>
<td>Practicum and Seminar 3</td>
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<tr>
<td>SCSD 684</td>
<td>1</td>
<td>Practicum and Seminar 4</td>
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<tr>
<td>SCSD 689</td>
<td>1</td>
<td>Management Cranio-Facial Disorders</td>
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Complementary Courses (6 credits)

Two of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SCSD 634</td>
<td>3</td>
<td>Research and Measurement Methods 2</td>
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<tr>
<td>SCSD 664</td>
<td>3</td>
<td>Communication Sciences and Disorders 1</td>
</tr>
<tr>
<td>SCSD 666</td>
<td>3</td>
<td>Communication Sciences and Disorders 3</td>
</tr>
<tr>
<td>SCSD 667</td>
<td>3</td>
<td>Communication Sciences and Disorders 4</td>
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</tbody>
</table>
SCSD 670 (3) Communication Sciences and Disorders 2
SCSD 678 (3) Special Topics 4

22.11.5.6 Master of Science (M.Sc.); Communication Sciences and Disorders (Thesis) (45 credits)

**Thesis Courses (24 credits)**

<table>
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<tr>
<th>Course</th>
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<tr>
<td>SCSD 671</td>
<td>12</td>
<td>M.Sc. Thesis 1</td>
</tr>
<tr>
<td>SCSD 672</td>
<td>12</td>
<td>M.Sc. Thesis 2</td>
</tr>
</tbody>
</table>

**Complementary Courses (21 credits)**

6-21 credits chosen from:

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<tr>
<td>SCSD 675</td>
<td>12</td>
<td>Special Topics 1</td>
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<tr>
<td>SCSD 676</td>
<td>9</td>
<td>Special Topics 2</td>
</tr>
<tr>
<td>SCSD 677</td>
<td>6</td>
<td>Special Topics 3</td>
</tr>
<tr>
<td>SCSD 678</td>
<td>3</td>
<td>Special Topics 4</td>
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</table>

0-15 credits chosen from:

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<th>Credits</th>
<th>Description</th>
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<tbody>
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<td>SCSD 673</td>
<td>12</td>
<td>M.Sc. Thesis 3</td>
</tr>
<tr>
<td>SCSD 674</td>
<td>3</td>
<td>M.Sc. Thesis 4</td>
</tr>
</tbody>
</table>

or courses in other departments, as arranged with the student's thesis supervisor.

22.11.5.7 Doctor of Philosophy (Ph.D.); Communication Sciences and Disorders

**Thesis**

**Required Courses (12 credits)**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>SCSD 652</td>
<td>3</td>
<td>Advanced Research Seminar 1</td>
</tr>
<tr>
<td>SCSD 653</td>
<td>3</td>
<td>Advanced Research Seminar 2</td>
</tr>
<tr>
<td>SCSD 685</td>
<td>3</td>
<td>Research Project 1</td>
</tr>
<tr>
<td>SCSD 686</td>
<td>3</td>
<td>Research Project 2</td>
</tr>
<tr>
<td>SCSD 701</td>
<td>0</td>
<td>Doctoral Comprehensive</td>
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</table>

**Complementary Courses (6 credits)**

Minimum of 6 credits of graduate-level statistics from courses such as:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>EDPE 676</td>
<td>3</td>
<td>Intermediate Statistics</td>
</tr>
<tr>
<td>EDPE 682</td>
<td>3</td>
<td>Univariate/Multivariate Analysis</td>
</tr>
<tr>
<td>EDPE 684</td>
<td>3</td>
<td>Applied Multivariate Statistics</td>
</tr>
<tr>
<td>EPIB 621</td>
<td>4</td>
<td>Data Analysis in Health Sciences</td>
</tr>
<tr>
<td>EPIB 622</td>
<td>3</td>
<td>Scientific Communication</td>
</tr>
<tr>
<td>PSYC 650</td>
<td>3</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>3</td>
<td>Advanced Statistics 2</td>
</tr>
</tbody>
</table>

Any other course requirements specified for the student's individual program of study.
22.11.5.8 Doctor of Philosophy (Ph.D.); Communication Sciences and Disorders — Language Acquisition

Students must satisfy all program requirements for the Ph.D. in their home department. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

**Thesis**

**Required Courses (14 credits)**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>EDSL 711</td>
<td>2</td>
<td>Language Acquisition Issues 3</td>
</tr>
<tr>
<td>LING 710</td>
<td>2</td>
<td>Language Acquisition Issues 2</td>
</tr>
<tr>
<td>PSYC 709</td>
<td>2</td>
<td>Language Acquisition Issues 1</td>
</tr>
<tr>
<td>SCSD 652</td>
<td>3</td>
<td>Advanced Research Seminar 1</td>
</tr>
<tr>
<td>SCSD 653</td>
<td>3</td>
<td>Advanced Research Seminar 2</td>
</tr>
<tr>
<td>SCSD 701</td>
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<td>Doctoral Comprehensive</td>
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<tr>
<td>SCSD 712</td>
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<td>Language Acquisition Issues 4</td>
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</table>

**Complementary Courses (9 credits)**

3 credits of graduate-level statistics from courses such as:

<table>
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<th>Credits</th>
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<tr>
<td>EDPE 682</td>
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<td>Univariate/Multivariate Analysis</td>
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<tr>
<td>PSYC 650</td>
<td>3</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>3</td>
<td>Advanced Statistics 2</td>
</tr>
</tbody>
</table>

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

At least two courses, selected from the following list.

One of these two courses must be from outside Communication Sciences and Disorders.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>EDSL 620</td>
<td>3</td>
<td>Critical Issues in Second Language Education</td>
</tr>
<tr>
<td>EDSL 623</td>
<td>3</td>
<td>Second Language Learning</td>
</tr>
<tr>
<td>EDSL 624</td>
<td>3</td>
<td>Educational Sociolinguistics</td>
</tr>
<tr>
<td>EDSL 627</td>
<td>3</td>
<td>Classroom-Centred Second Language Research</td>
</tr>
<tr>
<td>EDSL 629</td>
<td>3</td>
<td>Second Language Assessment</td>
</tr>
<tr>
<td>EDSL 632</td>
<td>3</td>
<td>Second Language Literacy Development</td>
</tr>
<tr>
<td>EDSL 664</td>
<td>3</td>
<td>Second Language Research Methods</td>
</tr>
<tr>
<td>LING 555</td>
<td>3</td>
<td>Language Acquisition 2</td>
</tr>
<tr>
<td>LING 590</td>
<td>3</td>
<td>Language Acquisition and Breakdown</td>
</tr>
<tr>
<td>LING 651</td>
<td>3</td>
<td>Topics in Acquisition of Phonology</td>
</tr>
<tr>
<td>LING 655</td>
<td>3</td>
<td>Theory of L2 Acquisition</td>
</tr>
<tr>
<td>LING 755</td>
<td>3</td>
<td>Advanced Seminar: Language Acquisition</td>
</tr>
<tr>
<td>PSYC 561</td>
<td>3</td>
<td>Methods: Developmental Psycholinguistics</td>
</tr>
<tr>
<td>PSYC 734</td>
<td>3</td>
<td>Developmental Psychology and Language</td>
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<tr>
<td>PSYC 735</td>
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<td>PSYC 736</td>
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<tr>
<td>PSYC 737</td>
<td>3</td>
<td>Developmental Psychology and Language</td>
</tr>
</tbody>
</table>
22.11.6 Epidemiology and Biostatistics

22.11.6.1 Location

Department of Epidemiology, Biostatistics and Occupational Health
1020 Pine Avenue West
Montreal, QC H3A 1A2
Canada

Telephone: 514-398-6258
Email: graduate.eboh@mcgill.ca
Website: www.mcgill.ca/epi-biostat-occh

22.11.6.2 About Epidemiology and Biostatistics

The Department offers master’s and doctoral programs in epidemiology and biostatistics. Beginning in September 2011, the programs include an M.Sc. in Public Health. The methods learned in these fields are used not only in the study of diseases, but also in health services research, program planning and evaluation, and policy development. Our faculty members are at the forefront of their research domains and include clinician scientists, medical informatics specialists, health economists, medical sociologists, and health geographers. Research in the Department spans all clinical specialties, pharmacoepidemiology, social epidemiology, infectious diseases, population and public health, environmental and occupational health, clinical and public health informatics, biostatistics, health care delivery and organization, and many faculty members have funding available for students through their research grants. We provide rich research environments at five university affiliated hospitals, public health agencies, and university research centres. Graduates pursue careers in academia, clinical settings, government agencies, and industry.

22.11.6.3 Epidemiology and Biostatistics Faculty

**Chair**

R. Fuhrer

**Emeritus Professors**

M.R. Becklake; M.B.B.Ch., M.D.(Witw.), F.R.C.P.
A. Lippman; B.A.(‘C’nell), Ph.D.(McG.)
J.C. McDonald; M.B.B.S., M.D.(Lond.), M.Sc.(Harv.), M.R.C.P.(Lond.), F.R.C.P.(C)
I.B. Pless; B.A., M.D.(W. Ont.)
G. Thériault; M.D.(Laval), M.I.H., Dr.P.H.(Harv.)

**Professors Post Retirement**

A. Lippman; B.A.(‘C’nell), Ph.D.(McG.)
I.B. Pless; B.A., M.D.(W. Ont.)
G. Thériault; M.D.(Laval), M.I.H., Dr.P.H.(Harv.)

**Professors**

M. Abrahamowicz; Ph.D.(Cracow) (*James McGill Professor*)
J.F. Boivin; M.D.(Laval), S.M., Sc.D.(Harv.)
### Professors

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>J. Brophy</td>
<td>B.Eng.(McG.), M.Eng., M.D.(McM.), Ph.D.(McG.)</td>
<td>(joint appt. with Medicine)</td>
</tr>
<tr>
<td>E.L.F. Franco</td>
<td>M.P.H., Dr.P.H.(Chapel Hill)</td>
<td>(joint appt. with Oncology) (James McGill Professor)</td>
</tr>
<tr>
<td>R. Fuhrer</td>
<td>B.A.(CUNY (Brooklyn Coll.)), M.Sc., Ph.D.(Calif.-San Francisco)</td>
<td></td>
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<tr>
<td>T.W. Gyorkos</td>
<td>B.Sc.(McG.), M.Sc.(Bishop’s), Ph.D.(McG.)</td>
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<tr>
<td>J. Heymann</td>
<td>B.A.(Yale), M.P.H., M.D., Ph.D.(Harv.)</td>
<td>(joint appt. with Political Science) (Canada Research Chair)</td>
</tr>
<tr>
<td>C. Infante-Rivard</td>
<td>M.D.(Montr.), M.P.H.(Calif.-LA), Ph.D.(McG.), F.R.C.P.(C)</td>
<td>(James McGill Professor)</td>
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<tr>
<td>L. Joseph</td>
<td>M.Sc., Ph.D.(McG.)</td>
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<tr>
<td>J. McCusker</td>
<td>M.D.,C.M.(McG.), M.P.H., Ph.D.(Col.)</td>
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<tr>
<td>R. Menzies</td>
<td>M.D.,C.M., M.Sc.(McG.) (joint appt. with Medicine)</td>
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<tr>
<td>O.S. Miettinen</td>
<td>M.D.(Helsinki), M.P.H., M.S., Ph.D.(Minn.)</td>
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<tr>
<td>G. Paradis</td>
<td>M.D.(Montr.), M.Sc.(McG.)</td>
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<tr>
<td>R.W. Platt</td>
<td>M.Sc.(Manit.), Ph.D.(Wash.) (joint. appt. with Pediatrics)</td>
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<tr>
<td>S.H. Shapiro</td>
<td>B.S.(Bucknell), M.S., Ph.D.(Stan.)</td>
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<tr>
<td>S. Suisse</td>
<td>M.Sc.(McG.), Ph.D.(Flor.) (joint appt. with Medicine) (James McGill Professor)</td>
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<tr>
<td>R. Tamblyn</td>
<td>M.Sc.(McM.), Ph.D.(McG.) (joint appt. with Medicine) (James McGill Professor)</td>
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<tr>
<td>C. Wolfson</td>
<td>B.Sc., M.Sc., Ph.D.(McG.) (joint. appt. with Medicine)</td>
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### Associate Professors

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<tr>
<td>O. Basso</td>
<td>Ph.D.(Milan) (joint appt. with Obstetrics &amp; Gynecology)</td>
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<tr>
<td>D. Buckeridge</td>
<td>M.D.(Qu.), M.Sc.(Tor.), Ph.D.(Stan.) (Canada Research Chair)</td>
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</tr>
<tr>
<td>A. Ciampi</td>
<td>M.Sc., Ph.D.(Qu.), Ph.D.(Rome)</td>
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<tr>
<td>N. Dendukuri</td>
<td>M.Sc.(ITT), Ph.D.(McG.) (PT) (joint appt. with Medicine)</td>
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<tr>
<td>C. Greenwood</td>
<td>B.Sc.(McG.), M.Sc.(Wat.), Ph.D.(Tor.) (joint appt. with Oncology)</td>
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<tr>
<td>P. Héroux</td>
<td>B.Sc.(Laval), M.Sc., Ph.D.(I.N.R.S.)</td>
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<tr>
<td>J. Kaufman</td>
<td>B.A.(Johns Hop.), Ph.D.(Mich.)</td>
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<tr>
<td>J. Pickering</td>
<td>B.A.(Tor.), M.D., M.Sc.(McG.) (joint appt. with Medicine)</td>
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<tr>
<td>A. Manges</td>
<td>B.A.(Col.), M.P.H., Ph.D.(Calif., Berk.)</td>
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<tr>
<td>M. Rossignol</td>
<td>B.Sc., M.D.(Sher.), M.Sc.(McG.)</td>
<td></td>
</tr>
<tr>
<td>P. Tousignant</td>
<td>B.A., M.D.(Laval), M.Sc.(McG.), F.R.C.P.(C) (PT)</td>
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### Assistant Professors

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<tr>
<td>A. Adrien</td>
<td>M.D., M.Sc.(McG.)</td>
<td></td>
</tr>
<tr>
<td>J. Atherton</td>
<td>M.Sc.(MIT), Ph.D.(McG.)</td>
<td></td>
</tr>
<tr>
<td>A. Benedetti</td>
<td>B.Sc., M.Sc., Ph.D.(McG.) (joint appt. with Medicine)</td>
<td></td>
</tr>
<tr>
<td>A. Labbe</td>
<td>M.Sc.(Montr.), Ph.D.(Wat.) (joint appt. with Psychiatry)</td>
<td></td>
</tr>
<tr>
<td>S. Martin</td>
<td>M.D.(Tor.), M.Sc.(McG.) (PT)</td>
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</table>
Assistant Professors

E.E.M. Moodie; B.A.(Winn.), M.Phil.(Camb.), Ph.D.(Wash.)
A. Nandi; B.S.(College of New Jersey), M.P.H.(Col.), Ph.D.(Johns Hop.) (joint appt. with Institute for Health & Social Policy)
L. Patry; B.Sc., M.D.(Laval), F.R.C.P.(C) (PT)
E. Strumpf; B.A.(Smith), Ph.D.(Harv.) (joint appt. with Economics)
G. Tan; D.Phil.(Oxf.) (PT)

Associate Members

Biomedical Ethics Unit: N. King
Dentistry: P. Allison, J. Feine
Dietetics and Human Nutrition: K. Gray-Donald
Family Medicine: A. Andermann, J. Haggerty, T. Tannenbaum
Geography: N. Ross
Ob/Gyn: H. Abenhaim, R. Gagnon
Pathology: B. Case
Pediatrics: G. Dougherty, B. Foster, C. Quach-Thanh
Physical & Occupational Therapy: S. Ahmed
Psychiatry: E. Latimer, A. Malla, N. Schmitz, B. Thombs

Lecturers

J.P. Gauvin, W. Wood

Adjunct Professors

Asociación Civil Selva Amazónica Peru: M. Casapia
Caro Research: J. Caro
Direction régionale de la santé publique: R. Allard, M. Baillargeon, R. Lessard, E. Robinson
Harvard Univ.: J. Brownstein
Hôpital Sacré-Coeur: D. Gautrin
Independent: I. Arnold, M.A. Lavoie, J. Lemke, M. Schweigert, L. Scott
INSPQ: F. Richer, P. Robillard, S. Stock
Montreal Chest Hospital Centre: P. Rohan
Mount Sinai: M. Baltzan
Stabilis: P. Simon
Univ. de Montréal: R. Massé, J. Siemiatycki
Univ. of S. Australia: J. Lynch

22.11.6.4 Epidemiology

The Department offers master’s and doctoral programs in epidemiology and biostatistics. Beginning in September 2011, the programs include an M.Sc. in Public Health. The methods learned in these fields are used not only in the study of diseases, but also in health services research, program planning and evaluation, and policy development. Our faculty members are at the forefront of their research domains and include clinician scientists, medical informatics specialists, health economists, medical sociologists, and health geographers. Research in the Department spans all clinical specialties, pharmacoepidemiology, social epidemiology, infectious diseases, population and public health, environmental and occupational health, clinical and public health informatics, biostatistics, health care delivery and organization, and many faculty members have funding available for students through their research grants. We provide rich research environments at five university-affiliated hospitals, public health agencies, and university research centres. Graduates pursue careers in academia, clinical settings, government agencies, and industry.
**section 22.11.6.4.2: Master of Science (M.Sc.); Epidemiology (Thesis) (48 credits)**

Applicants to the M.Sc. program should hold a bachelor’s degree in the natural and quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography) or social sciences (e.g., sociology, psychology, anthropology), or hold a degree in one of the health professional sciences (e.g., medicine, nursing, social work, nutrition). Applicants must have an interest in health research, along with strong conceptual, analytic, and quantitative skills (differential and integral calculus) at the undergraduate level.

The program leading to a master’s degree is designed to provide training in both theory and practice in the selected discipline. Courses require intellectual and academic rigour, and the program provides students with an opportunity to synthesize the training in the form of a thesis. Students will study the foundations and principles of epidemiology and applied biostatistics, in order to design, conduct, and analyze clinical, population-based, environmental, pharmaco-epidemiological, policy, and methodological health-related research. Graduates of the program often go on to do doctoral work or become research associates in public, private, and academic settings. McGill graduates are known for methodological and quantitative rigour, and quantitative analytic independence. While their core training is in methods, rather than specific substantive areas, students learn about substantive areas in the context of their research and through elective courses.

**section 22.11.6.4.3: Master of Science (M.Sc.); of Public Health (Non-Thesis) (52 credits)**

The mission of the M.Sc.P.H. is to train outstanding public health professionals and future leaders by offering a rigorous academic program in methods, research, and practice. This program may be of interest for students from the natural and quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography), social sciences (e.g., sociology, psychology, anthropology), or the health professions (e.g., medicine, nursing, social work, nutrition). Students will study the foundations and principles of epidemiology and biostatistics, as applied to public health research and practice, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research. Graduates of the program will serve as public health practitioners, research professionals, and educators, and will possess the competencies and professionalism to carry out broad public health functions in local, provincial, national, and international settings. In exceptional circumstances, the admissions committee may take professional experience into account for mid-career or returning/re-entry applicants. The Master's of Public Health program will include a three-month practicum after the first year, which will provide the student with the opportunity to use knowledge and skills acquired in the academic program in a public health practice or research setting.

**section 22.11.6.4.4: Master of Science (M.Sc.); of Public Health (Non-Thesis) — Environment (52 credits)**

A number of departments and faculties throughout McGill University have joined with the McGill School of Environment (MSE) to provide an Environment Option as part of a variety of existing graduate degrees. The option provides students with an appreciation of the role of science in informed decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other’s learning through structured courses, formal seminars, and informal discussions and networking. Students who have been admitted through their home department or faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

**section 22.11.6.4.5: Doctor of Philosophy (Ph.D.); Epidemiology**

This program may be of interest for students from the natural and quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography), social sciences (e.g., sociology, psychology, anthropology) or the health professions (e.g., medicine, nursing, social work, nutrition). Applicants must have an interest in health research, along with strong conceptual, analytic, and quantitative skills (differential and integral calculus) at the undergraduate level.

The Ph.D. program prepares students with the advanced epidemiological research skills needed to undertake original contributions to new knowledge related to the determinants of health and disease, prevention, prognosis, treatment, and outcomes. The program is generally completed in four to five years. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences. They will go on to careers in public health, health planning, and quality monitoring in local, regional, federal, and international health authorities, statistical and technology assessment agencies, the pharmaceutical industry, and in clinical and academic research organizations. McGill graduates are known for their methodological and quantitative rigour and quantitative analytic independence. While their core training is in methods, rather than specific substantive areas, students learn about substantive areas in the context of their research and through elective courses.

**section 22.11.6.4.6: Graduate Diploma in Epidemiology (30 credits)**

Applications to the Diploma program will not be accepted for the 2011-2012 academic year.

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2011.641 Epidemiology Admission Requirements and Application Procedures

2011.641.1 Admission Requirements

Graduate Diploma

(Applications to the Diploma program will not be accepted for the 2011-2012 academic year.)

Master’s

Applicants to the M.Sc. programs must hold a bachelor's degree in a related area, possess a reasonable level of mathematical competency, and have a good knowledge of differential and integral calculus at the level of a CEGEP or first-year undergraduate course.

Ph.D.
Applicants to the Ph.D. program who hold a master’s in Epidemiology are eligible for admission to the core year. Applicants with other graduate-level degrees or exceptional students without a master's degree are also eligible and will be considered for admission to a preparatory year.

Complete details on the Epidemiology programs are available on our Departmental website at: www.mcgill.ca/epi-biostat-occh/grad/epidemiology/requirements.

**Language Requirement**

Minimum TOEFL scores required, when applicable, of 100 on the Internet-based test. Minimum score for IELTS: 6.5.

**Application Procedures**

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Completed applications, with all supporting documents, must reach the Department by the dates for guaranteed consideration.

Please download required documents from our website: www.mcgill.ca/epi-biostat-occh, then select the Graduate Studies tab to link to the appropriate degree program.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

**22.11.6.42 Master of Science (M.Sc.); Epidemiology (Thesis) (48 credits)**

Students will study the foundations and principles of epidemiology and applied biostatistics, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological health-related research. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences.

**Thesis Course (24 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPIB 690</td>
<td>(24)</td>
<td>M.Sc. Thesis</td>
</tr>
</tbody>
</table>

**Required Courses (22 credits)**

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPIB 601</td>
<td>(4)</td>
<td>Fundamentals of Epidemiology</td>
</tr>
<tr>
<td>EPIB 602</td>
<td>(3)</td>
<td>Foundations of Population Health</td>
</tr>
<tr>
<td>EPIB 603</td>
<td>(4)</td>
<td>Intermediate Epidemiology</td>
</tr>
<tr>
<td>EPIB 605</td>
<td>(1)</td>
<td>Critical Appraisal in Epidemiology</td>
</tr>
<tr>
<td>EPIB 607</td>
<td>(4)</td>
<td>Inferential Statistics</td>
</tr>
<tr>
<td>EPIB 613</td>
<td>(1)</td>
<td>Introduction to Statistical Software</td>
</tr>
<tr>
<td>EPIB 614</td>
<td>(1)</td>
<td>Basics of Measurement in Epidemiology</td>
</tr>
<tr>
<td>EPIB 621</td>
<td>(4)</td>
<td>Data Analysis in Health Sciences</td>
</tr>
</tbody>
</table>

**Complementary Course (2 credits)**

2 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

**22.11.6.43 Master of Science (M.Sc.); of Public Health (Non-Thesis) (52 credits)**

Students will study the foundations and principles of epidemiology and biostatistics, as applied to public health research and practice, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research. The program will include a three-month practicum after the first year.

**Research Project (10 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPIB 630</td>
<td>(10)</td>
<td>Public Health Project</td>
</tr>
</tbody>
</table>

**Required Courses (25 credits)**

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPIB 601</td>
<td>(4)</td>
<td>Fundamentals of Epidemiology</td>
</tr>
<tr>
<td>EPIB 602</td>
<td>(3)</td>
<td>Foundations of Population Health</td>
</tr>
<tr>
<td>EPIB 603</td>
<td>(4)</td>
<td>Intermediate Epidemiology</td>
</tr>
<tr>
<td>EPIB 605</td>
<td>(1)</td>
<td>Critical Appraisal in Epidemiology</td>
</tr>
</tbody>
</table>
### Complementary Courses (17 credits)

9 credits of coursework at the 500 level or higher with a minimum of:

- 3 credits in environmental health sciences;
- 3 credits in health services research policy and management;
- 3 credits in population and public health interventions (social and behavioral science).

8 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser.

#### 22.11.644 Master of Science (M.Sc.); of Public Health (Non-Thesis) — Environment (52 credits)

Students will study the foundations and principles of epidemiology and biostatistics, as applied to public health research and practice, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research.

The program will include a three-month practicum after the first year.

### Research Project (10 credits)

| EPIB 630 | 10 | Public Health Project |

### Required Courses (31 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

| ENVR 610 | 3 | Foundations of Environmental Policy |
| ENVR 650 | 1 | Environmental Seminar 1 |
| ENVR 651 | 1 | Environmental Seminar 2 |
| ENVR 652 | 1 | Environmental Seminar 3 |
| EPIB 601 | 4 | Fundamentals of Epidemiology |
| EPIB 602 | 3 | Foundations of Population Health |
| EPIB 603 | 4 | Intermediate Epidemiology |
| EPIB 605 | 1 | Critical Appraisal in Epidemiology |
| EPIB 607 | 4 | Inferential Statistics |
| EPIB 612 | 3 | Principles of Public Health Practice |
| EPIB 613 | 1 | Introduction to Statistical Software |
| EPIB 614 | 1 | Basics of Measurement in Epidemiology |
| EPIB 621 | 4 | Data Analysis in Health Sciences |

### Complementary Courses (11 credits)

6 credits of coursework at the 500 level or higher, with a minimum of:

- 3 credits in health services research policy and management;
- 3 credits of population and public health interventions (social and behavioural science).

Courses must be chosen and approved in consultation with the student's academic adviser.

3 credits chosen from:

| ENVR 519 | 3 | Global Environmental Politics |
ENVR 544 (3) Environmental Measurement and Modelling
ENVR 580 (3) Topics in Environment 3
ENVR 611 (3) The Economy of Nature
ENVR 620 (3) Environment and Health of Species
ENVR 622 (3) Sustainable Landscapes
ENVR 630 (3) Civilization and Environment
ENVR 680 (3) Topics in Environment 4

or other courses at the 500 level or higher recommended by the advisory committee and approved by the Environmental Option Committee.

AND

2 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

**22.11.6.4.5 Doctor of Philosophy (Ph.D.); Epidemiology**

**Preparatory Year**

Students who are admitted to the Ph.D. degree program without the equivalent of an M.Sc. in epidemiology at McGill will, in their first year, be required to take, as a minimum, the following courses: EPIB 601, EPIB 602, EPIB 603, EPIB 605, EPIB 607, EPIB 613, EPIB 614, EPIB 621 (equivalent to required coursework of the master's program).

This year is called the Preparatory Year. Students then continue, in their second year, into the Core Year.

**Core Year**

Students who are admitted to the Ph.D. degree program with the equivalent of the M.Sc. in epidemiology at McGill will, in their first year, be required to take, as a minimum, 15 credits of required Ph.D. courses. This year is called the Core Year.

**Thesis**

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPIB 608</td>
<td>3</td>
<td>Advanced Epidemiology</td>
</tr>
<tr>
<td>EPIB 609</td>
<td>3</td>
<td>Seminar on Advanced Methods in Epidemiology</td>
</tr>
<tr>
<td>EPIB 610</td>
<td>3</td>
<td>Advanced Methods: Causal Inference</td>
</tr>
<tr>
<td>EPIB 623</td>
<td>3</td>
<td>Research Design in Health Sciences</td>
</tr>
<tr>
<td>EPIB 701</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>EPIB 702</td>
<td>0</td>
<td>Ph.D. Proposal</td>
</tr>
</tbody>
</table>

**Complementary Courses (34 credits)**

12-34 credits

0-22 credits* from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPIB 601</td>
<td>4</td>
<td>Fundamentals of Epidemiology</td>
</tr>
<tr>
<td>EPIB 602</td>
<td>3</td>
<td>Foundations of Population Health</td>
</tr>
<tr>
<td>EPIB 603</td>
<td>4</td>
<td>Intermediate Epidemiology</td>
</tr>
<tr>
<td>EPIB 605</td>
<td>1</td>
<td>Critical Appraisal in Epidemiology</td>
</tr>
<tr>
<td>EPIB 607</td>
<td>4</td>
<td>Inferential Statistics</td>
</tr>
<tr>
<td>EPIB 613</td>
<td>1</td>
<td>Introduction to Statistical Software</td>
</tr>
<tr>
<td>EPIB 614</td>
<td>1</td>
<td>Basics of Measurement in Epidemiology</td>
</tr>
<tr>
<td>EPIB 621</td>
<td>4</td>
<td>Data Analysis in Health Sciences</td>
</tr>
</tbody>
</table>
* Note: If a student has not already successfully completed them or their equivalent.

12 credits of coursework, at the 500 level or higher, of which a minimum of 3 credits in ethics (medical/public health/research), 3 credits in biostatistics, 3 credits in substantive topic, and 3 credits in epidemiology. Courses must be chosen and approved in consultation with the program’s academic adviser.

22.11.6.4 Graduate Diploma in Epidemiology (30 credits)

(Applications to the Diploma program will not be accepted for the 2011-2012 academic year.)

**Required Courses (17 credits)**

- EPIB 601 (4) Fundamentals of Epidemiology 1
- EPIB 607 (4) Inferential Statistics
- EPIB 650 (9) Diploma Dissertation

Note: Students exempted from either EPIB 601 and/or EPIB 607 must replace them with additional complementary course credits.

**Complementary Courses**

13 credits of coursework, at the 500, 600, or 700 level, chosen in consultation with the student’s academic adviser.

22.11.6.5 Biostatistics

Biostatistics involves the development and application of statistical methods to scientific research in areas such as medicine, epidemiology, environmental health, genetics, and ecology. Biostatisticians play key roles in designing studies—from helping to formulate the questions that can be answered by data collection to the decisions on how best to collect the data—and in analyzing the resulting data. They also develop new statistical methods for such data. Students will take courses, and may do research, on topics such as mathematical statistics, statistical methods for epidemiology, generalized linear models, survival analysis, longitudinal data, and clinical trials. The Department of Epidemiology, Biostatistics, and Occupational Health has one of the largest concentrations of Ph.D.-level statisticians in any Canadian Faculty of Medicine.

**section 22.11.6.5.2: Master of Science (M.Sc.); Biostatistics (Thesis) (48 credits)**

M.Sc. thesis students study a foundational set of courses, and write a thesis on a topic of their choice. Thesis students should have a strong interest in research. These students are well-placed to either continue in a Ph.D. program or to work in academic research in statistics or medicine; they will also have relevant qualifications for the pharmaceutical industry and government.

**section 22.11.6.5.3: Master of Science (M.Sc.); Biostatistics (Non-Thesis) (48 credits)**

The M.Sc. non-thesis program is designed to expose students to a wide range of topics including statistical methods for epidemiology, generalized linear models, survival analysis, longitudinal data, and clinical trials. Skills in data analysis, statistical consulting, communication, and report writing are emphasized, and students graduate ready to work in the pharmaceutical and biotechnology industries, in government, or in academic medical research.

**section 22.11.6.5.4: Doctor of Philosophy (Ph.D.); Biostatistics**

Applicants should hold a master’s degree in mathematics or statistics or its equivalent. Mastery of calculus, linear algebra, real analysis, and mathematical statistics are essential. Exposure to data analysis is an asset. Exceptional students without a master’s degree will be considered for admission, starting with a qualifying year. Ph.D. students typically work on development of statistical methods, and can specialize in statistical methods for epidemiology, generalized linear models, Bayesian methods, survival analysis, longitudinal data, causal inference, and clinical trials. Skills in data analysis, statistical consulting, and report writing are emphasized. Ph.D. graduates typically work as faculty in universities, in research institutes, in government, or in the pharmaceutical industry.

22.11.6.5.1 Biostatistics Admission Requirements and Application Procedures

**22.11.651.1 Biostatistics**

**Admission Requirements**

An undergraduate degree in mathematics or statistics or its equivalent (an honours degree is preferred, but not required). At least three semesters of calculus, two semesters of linear algebra, at least one, but preferably two semesters of real analysis, and a full year course/sequence in mathematical statistics preferably at an honours level, e.g., MATH 356/357. Exposure to data analysis is an asset.

M.Sc.: Students admitted into the M.Sc. program will, in general, meet the requirements above.

Ph.D.: Exceptional students without a master's degree but with the above qualifications will be considered for Ph.D. admission starting with a qualifying year.

Complete details on the Biostatistics programs are available on our Departmental website at: [www.mcgill.ca/epi-biostat-occh/grad/biostatistics/requirements](http://www.mcgill.ca/epi-biostat-occh/grad/biostatistics/requirements).

**Language Requirement**
Minimum TOEFL scores required, when applicable, of 100 on the Internet-based test. Minimum score for IELTS: 6.5.

22.11.6.5.1 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Completed applications, with all supporting documents, must reach the Department by the dates for guaranteed consideration. Please see our website at www.mcgill.ca/epi-biostat-occh/grad/biostatistics/applying for information on required documents as well as the application deadline.

McGill's online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

22.11.6.5.2 Master of Science (M.Sc.); Biostatistics (Thesis) (48 credits)

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and thesis.

Thesis Courses (24 credits)

BIOS 690 (24) M.Sc. Thesis

Required Courses (24 credits)

Students exempted from any of the courses listed below must replace them with complementary course credits, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

BIOS 601 (4) Epidemiology: Introduction and statistical models
BIOS 602 (4) Epidemiology: Regression Models
MATH 523 (4) Generalized Linear Models
MATH 533 (4) Honours Regression and Analysis of Variance
MATH 556 (4) Mathematical Statistics 1
MATH 557 (4) Mathematical Statistics 2

22.11.6.5.3 Master of Science (M.Sc.); Biostatistics (Non-Thesis) (48 credits)

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and project.

Research Project (6 credits)

BIOS 630 (6) Research Project/Practicum in Biostatistics

Required Courses (24 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

BIOS 601 (4) Epidemiology: Introduction and statistical models
BIOS 602 (4) Epidemiology: Regression Models
MATH 523 (4) Generalized Linear Models
MATH 533 (4) Honours Regression and Analysis of Variance
MATH 556 (4) Mathematical Statistics 1
MATH 557 (4) Mathematical Statistics 2

Complementary Courses (18 credits)

18 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

22.11.6.5.4 Doctor of Philosophy (Ph.D.); Biostatistics

Students will study theoretical and applied statistics and related fields; the program will train them to become independent scientists able to develop and apply statistical methods in medicine and biology and make original contributions to the theoretical and scientific foundations of statistics in these disciplines. Graduates will be prepared to develop new statistical methods as needed and apply new and existing methods in a range of collaborative projects. Graduates will be able to communicate methods and results to collaborators and other audiences, and teach biostatistics to biostatistics students, students in related fields, and professionals in academic and other settings.

Thesis
Required Courses

BIOS 700 (0) Ph.D. Comprehensive Examination Part A
BIOS 701 (0) Ph.D. Comprehensive Examination Part B
BIOS 702 (0) Ph.D. Proposal

Complementary Courses (28 credits)

0-28 credits from the following list: (if a student has not already successfully completed them or their equivalent)

BIOS 601 (4) Epidemiology: Introduction and statistical models
BIOS 602 (4) Epidemiology: Regression Models
BIOS 624 (4) Data Analysis & Report Writing
MATH 523 (4) Generalized Linear Models
MATH 533 (4) Honours Regression and Analysis of Variance
MATH 556 (4) Mathematical Statistics 1
MATH 557 (4) Mathematical Statistics 2

12 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in statistics/biostatistics.

6 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher, in related fields (e.g., epidemiology, social sciences, biomedical sciences).

22.11.7 Experimental Medicine

Please see "section 22.11.10: Medicine, Experimental" for more information.

22.11.8 Human Genetics

22.11.8.1 Location

Department of Human Genetics
Stewart Biological Sciences Building
1205 Dr. Penfield Avenue, N5/13
Montreal, QC H3A 1B1
Canada

Telephone: 514-398-4198
Fax: 514-398-2430
Email: grad.hg@mcgill.ca
Website: www.mcgill.ca/humangenetics

22.11.8.2 About Human Genetics

M.Sc. and Ph.D. Degrees in Human Genetics

The Department of Human Genetics offers a clinical Master’s program in Genetic Counselling, as well as research training at both the M.Sc. and Ph.D. levels. Both the M.Sc. and Ph.D. research programs require the completion of a thesis, which is the major focus of the student's effort. A minimal amount of coursework is required, but specific course choices are flexible and vary according to the student's previous training and current research interest. The Department also offers a Bioinformatics Option. Information on the Bioinformatics Option can be found at: www.mcgill.ca/mbcb/academic/graduate.

Most of the faculty of the Human Genetics Department are located in McGill teaching hospitals, reflecting the medically learned knowledge at the core of human genetic studies.

Faculty have a wide variety of research interests, which embrace: cancer genetics, cytogenetics, reproductive biology, neurogenetics, and genomic and genetic basis of human diseases. Detailed information regarding faculty research interest can be found on the Department web page at www.mcgill.ca/humangenetics/prospective-students/supervision.

Students accepted into the Human Genetics research graduate program will receive a minimum stipend of $15,000, plus tuition and fees.
section 22.11.8.5: Master of Science (M.Sc.); Human Genetics (Thesis) (45 credits)

The Department of Human Genetics provides a unified curriculum of study in genetics. Areas of specialization include: biochemical genetics, genetics of development, animal models of human diseases, cancer genetics, molecular pathology, gene therapy, genetic dissection of complex traits, genetics of infectious and inflammatory diseases, non-mendelian genetics, bioinformatics, behavioural genetics, neurogenetics, bioethics, and genomics. Many of our faculty hold cross-appointments in various departments (including: biochemistry, biology, cardiology, medicine, microbiology, immunology, pathology, paediatrics, pharmacology, psychiatry) within the Faculties of Science and Medicine. This enables numerous opportunities for interdisciplinary research and collaboration. The Department conducts research on all sites of the McGill University Health Centre (MUHC), the Montreal Neurological Institute, the McGill Life Sciences Complex, the McGill University-Genome Quebec Innovation Centre, the Biomedical Ethics Unit, and the Centre for Genomics and Policy.

section 22.11.8.6: Master of Science (M.Sc.); Human Genetics (Thesis) — Bioinformatics (45 credits)

Students successfully completing the Bioinformatics Option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field. Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

section 22.11.8.7: Master of Science (M.Sc.); Human Genetics (Thesis) — Bioethics (45 credits)

McGill University offers specialized education in bioethics to graduate students in the Faculties of Medicine, Religious Studies and Law, and the Department of Philosophy. The Master's Degree Specialization in Bioethics is an interdisciplinary academic program that emphasizes both the conceptual and the practical aspects of bioethics.

section 22.11.8.8: Master of Science (M.Sc.); Genetic Counselling (Non-Thesis) (48 credits)

The M.Sc. in Genetic Counselling program provides the academic foundation and clinical training required for the contemporary practice of genetic counselling. Genetic counsellors are health professionals who provide information and support to families who have members with birth defects or genetic disorders and to families who may be at risk for a variety of inherited conditions. Genetic counsellors investigate the problem present in the family, analyze inheritance patterns and risks of recurrence, and review available options with the family. Some counsellors also work in administrative and academic capacities, and many engage in research activities. The curriculum includes a variety of required courses in Human Genetics and other departments, and 40 weeks of supervised clinical training spread over four semesters. Graduates will be eligible to sit for both the Canadian Association of Genetic Counsellors and the American Board of Genetic Counselling certification examinations. Upon completion of the M.Sc. in Genetic Counselling program, the students will demonstrate competence in or satisfactory knowledge of: principles of human genetics, including cytogentetics, biochemical, molecular, and population genetics; methods of interviewing and counselling, and the dynamics of human behaviour in relation to genetic disease; and social, legal, and ethical issues in genetics. Enrolment will be limited to four students.

section 22.11.8.9: Doctor of Philosophy (Ph.D.); Human Genetics

The Department of Human Genetics provides a unified curriculum of study in genetics. Areas of specialization include: biochemical genetics, genetics of development, animal models of human diseases, cancer genetics, molecular pathology, gene therapy, genetic dissection of complex traits, genetics of infectious and inflammatory diseases, non-mendelian genetics, bioinformatics, behavioural genetics, neurogenetics, bioethics, and genomics. Many of our faculty hold cross-appointments in various departments (including: biochemistry, biology, cardiology, medicine, microbiology, immunology, pathology, paediatrics, pharmacology, psychiatry) within the Faculties of Science and Medicine. This enables numerous opportunities for interdisciplinary research and collaboration. The Department conducts research on all sites of the McGill University Health Centre (MUHC), The Montreal Neurological Institute, The McGill Life Sciences Complex, The McGill University-Genome Quebec Innovation Centre, The Biomedical Ethics Unit, and The Centre for Genomics and Policy.

section 22.11.8.10: Doctor of Philosophy (Ph.D.); Human Genetics — Bioinformatics

Students successfully completing the Bioinformatics Option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field and have the capability of developing an independent Bioinformatics research program. Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

22.11.8.3 Human Genetics Admission Requirements and Application Procedures

22.11.8.3.1 Admission Requirements

M.Sc. in Genetic Counselling

Prerequisites: Bachelor's degree – 3.0/4.0 or 3.2/4.0 for the last two full-time academic years. Recent (five years or less) university-level courses in the Basic Sciences (basic biology, cell and molecular, biochemistry, principles of human genetics or basic genetics with a significant "human" component) and a minimum of two Social Sciences (social psychology, abnormal psychology).

Prerequisites or corequisites: Recent (five years or less) university-level course in statistics.

(Published September 13, 2011)
Applicants must have obtained some experience (either paid or volunteer) working in a counselling or advisory capacity, ideally in a health care setting.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit a TOEFL score of 600 on the TOEFL paper-based test (or 100 on the Internet-based test), with each component score no less than 20, as the minimum standard for admission.

M.Sc. and Ph.D. in Human Genetics

Prerequisites: B.Sc. – minimum CGPA 3.0/4.0 or 3.2/4.0 for the last two full-time academic years. Applicants must have a minimum of 6 credits in cellular and molecular biology or biochemistry, 3 credits in mathematics or statistics and 3 credits in genetics. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit a TOEFL score of 600 on the TOEFL paper-based test (or 100 on the Internet-based test), with each component score no less than 20, or 7 on the IELTS, as the minimum standard for admission.

Admission is based on an evaluation by the Graduate Training Committee and on acceptance by a research director who has agreed to provide adequate funding for the duration of the academic program. Prospective graduate students should complete the online application form, indicate at least three faculty members they are interested in working with, and email copies of their transcripts/letters, etc., to grad.hg@mcgill.ca.

22.11.8.32 Application Procedures

M.Sc. in Genetic Counselling

Applications will be considered upon receipt of:

1. online application form, plus fee of $100;
2. two original transcripts;
3. two original letters of reference;
4. statement of purpose;
5. test results for international students: TOEFL or IELTS.

Documentation and online application must be received by January 15th. Interviews will be arranged during the weeks of March 1 – April 15 for the top 18 candidates. Admission to the program will be based on academic record, reference letters, statement of purpose, and interview.

Application materials should be sent to Thomas Leslie at the departmental address.

M.Sc. and Ph.D. in Human Genetics

Applications will be considered upon receipt of:

1. online application form, plus fee of $100;
2. two original transcripts;
3. two original letters of reference;
4. test results for international students: TOEFL or IELTS.

Dates for Guaranteed Consideration:

Canadian Applicants:

M.Sc. Genetic Counselling program* (Non-Thesis):

Fall: Jan. 15

M.Sc. (Thesis) programs:

Fall: March 31
Winter: Sept. 30
Summer: no admissions**

Ph.D. programs:

Fall: March 31
Winter: Sept. 30
Summer: Jan. 31

International Applicants:

M.Sc. Genetic Counselling program* (Non-Thesis):

Fall: Jan. 15

M.Sc. (Thesis) programs:

Fall: March 31
Winter: Sept. 30  
Summer: no admissions**

Ph.D. programs:

Fall: March 31  
Winter: Sept. 30  
Summer: Jan. 31

* M.Sc. Genetic Counselling program accepts applications for the Fall term only.

** The Department of Human Genetics is not willing to consider any applications to the M.Sc. (Thesis) for the Summer term.

For further details regarding dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Application materials should be sent to Thomas Leslie at the departmental address.

22.11.8.4 Human Genetics Faculty

Chair
D.S. Rosenblatt

Program Directors
J. Fitzpatrick – M.Sc. in Genetic Counselling
E. Shoubridge – M.Sc. and Ph.D. in Human Genetics

Administrative Assistant
K. Springer

Graduate Program Coordinator
T. Leslie

Assistant Graduate Program Coordinator
A. Cenaiko

Emeritus Professors
V. Der Kaloustian; B.A.(Acad.), M.Sc., Ph.D., M.D.,C.M.(McG.), D.Sc.(Acad.), F.R.S.C., F.R.C.P.S.(C)
F.C. Fraser; B.Sc.,(Acad.) M.Sc., Ph.D., M.D.,C.M., D.Sc.(McG), O.C., F.R.S.C.
K. Glass; M.A.(Barat), B.C.L., D.C.L.(McG.)
B. Mukherjee; B.Sc.(Calc.), M.S.(Brig. Young), Ph.D.(Utah)
L. Pinsky; M.D.(McG.)
C. Scriver; B.A., M.D.,C.M.(McG.)
H. Tenenhouse; M.Sc., Ph.D.(McG.)

Professors
E. Andermann; M.Sc., Ph.D., M.D.,C.M.(McG.) (Neurology and Neurosurgery)
A. Duncan; B.Sc.(Qu.), Ph.D.(Edin.) (Pathology and Pediatrics)
W. Foulkes; B.Sc., MB.BS., Ph.D.(Lond.) (Medicine)
F. Glorieux; M.D.(Louvain), Ph.D.(McG.) (Surgery)
F. Kaplan; B.A.(Col.), Ph.D.(McG.) (Pediatrics)
B. Knoppers; Ph.D.(Sorbonne, France), Ad.E., O.C. (Director, Centre of Genomics and Policy)
### Professors

M. Lathrop; B.Sc., M.Sc.(Alta.), Ph.D.(Wash.) (*Director, McGill University-Genome Quebec Innovation Centre*)


R. McInnes; C.M., M.D., Ph.D., F.R.S.C.(McG.) (*Alva Chair in Human Genetics* (*Director, Lady Davis Research Institute*))

K. Morgan; B.S., M.S., Ph.D.(Mich.) (*Medicine*)

R. Palmour; B.A.(Texas W.), Ph.D.(Texas) (*Psychiatry and Biology*)

D. Radzioch; M.Sc., Ph.D.(Jagiellonian, Krakow) (*Medicine*)

D.S. Rosenblatt; M.D., C.M.(McG.) (*Medicine, Pediatrics and Biology*)

R. Rozen; B.Sc., Ph.D.(McG.) (*Psychiatry and Biology*)

E. Schurr; M.Sc., Ph.D.(Albert-Ludwigs, Freiburg) (*Medicine*)

E. Shoubridge; B.Sc., M.Sc.(McG.), Ph.D.(Br. Col.) (*Neurogenetics*)

R. St-Arnaud; B.Sc.(Montr.), Ph.D.(Laval) (*Surgery*)

J. Trasler; M.D., C.M., Ph.D.(McG.) (*William Dawson Scholar* (*Pathology and Pediatrics*))

### Associate Professors

A. Ao; Ph.D.(Lond.) (*OBS/GYN*)

D. Avard; Ph.D.(Camb.) (*Centre of Genomics and Policy*)

N. Braverman; B.Sc.(C’nell), M.Sc.(Sarah Lawrence), M.D.(Tulane) (*Pediatrics*)

T. Costa; M.D.(Ott.) (*Pediatrics*)

K. Dewer; Ph.D.(Laval) (*Genome Quebec*)

S. Melançon; M.D.(Montr.)

R. Nadon; B.A., M.A., Ph.D.(C’dia)

L. Russell; B.A., M.D.(Ind.) (*Pediatrics*)

P. Tonin; B.Sc., M.Sc., Ph.D.(Tor.) (*Medicine*)

S. Vidal; Ph.D.(Genève) (*Medicine*)

### Assistant Professors

L. Beitel; Ph.D.(McG.) (*Biochemistry*)

L. Cartier; B.Sc., M.Sc.(McG.)

G. Chong; Ph.D.(Kansas)

M. Fujiwara; M.Sc.(Alta.) (*Quantitative Genetics*)

Y. Joly; Ph.D.(McG.) (*Centre of Genomics and Policy*)

J. Majewski; B.Sc., M.Sc.(Stan.), Ph.D.(Wesl.)

P. Moffatt; Ph.D.(Montr.) (*Pharmacology*)

T. Pastinen; M.D., Ph.D.(Helsinki)

R. Sladek; B.A.Sc., M.D.(Tor.)

R. Slim; M.Sc.(Lebanon), M.Sc., Ph.D.(Paris VII)

M. Tischkowitz; M.D., Ph.D.(Lond.) (*Cancer Genetics*)

S. Wallace; Ph.D.(Sheff.) (*Centre of Genomics and Policy*)

Y. Yamanaka; Ph.D.(Osaka) (*Goodman Cancer Research Centre*)

### Lecturers

Associate Members

**Biochemistry**: P. Gros; D. Thomas  
**Bioethics**: J. Kimmelman  
**Cardiology**: J. Genest  
**Endocrinology**: J. Mitchel, C. Polychonakos  
**Epidemiology**: A. Lippman  
**Law**: R. Gold  
**Medical Genetics (MUHC)**: R. Agatep, I. DeBie, S. Levesque  
**Nephrology**: I. Gupta  
**Obs.-Gyn.**: R. Gagnon; A. Naumova  
**Pathology**: A. Spatz  
**Pediatrics**: P. Goodyer, N. Jabado, L. Majewska, J. Mitchell, A. Ryan  
**Psychiatry**: G. Turecki  
**Surgery**: P. Roughley

Assistant Professors

T. Hudson (OICR)  
G. Rouleau (CHUM)

22.11.8.5 Master of Science (M.Sc.): Human Genetics (Thesis) (45 credits)

**Thesis Courses (33 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HGEN 680</td>
<td>9</td>
<td>M.Sc. Thesis Research 1</td>
</tr>
<tr>
<td>HGEN 681</td>
<td>12</td>
<td>M.Sc. Thesis Research 2</td>
</tr>
<tr>
<td>HGEN 682</td>
<td>12</td>
<td>M.Sc. Thesis Research 3</td>
</tr>
</tbody>
</table>

**Required Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HGEN 662</td>
<td>3</td>
<td>Laboratory Research Techniques</td>
</tr>
<tr>
<td>HGEN 692</td>
<td>3</td>
<td>Human Genetics</td>
</tr>
</tbody>
</table>

**Complementary Courses (6 credits)**

6 credits chosen from the departmental offerings below or from 500-, 600-, or 700-level courses offered in the Faculties of Medicine or Science:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HGEN 660</td>
<td>3</td>
<td>Genetics and Bioethics</td>
</tr>
<tr>
<td>HGEN 661</td>
<td>3</td>
<td>Population Genetics</td>
</tr>
<tr>
<td>HGEN 663</td>
<td>3</td>
<td>Beyond the Human Genome</td>
</tr>
<tr>
<td>HGEN 670</td>
<td>3</td>
<td>Advances in Human Genetics 1</td>
</tr>
<tr>
<td>HGEN 671</td>
<td>3</td>
<td>Advances in Human Genetics 2</td>
</tr>
<tr>
<td>HGEN 672</td>
<td>3</td>
<td>Advances in Human Genetics 3</td>
</tr>
<tr>
<td>HGEN 690</td>
<td>3</td>
<td>Inherited Cancer Syndromes</td>
</tr>
<tr>
<td>HGEN 691</td>
<td>3</td>
<td>Host Responses to Pathogens</td>
</tr>
<tr>
<td>HGEN 693</td>
<td>3</td>
<td>Using Bioinformatics Resources</td>
</tr>
<tr>
<td>HGEN 694</td>
<td>3</td>
<td>Microarray Statistical Analysis</td>
</tr>
<tr>
<td>Course Code</td>
<td>Credits</td>
<td>Title</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>HGEN 695</td>
<td>(3)</td>
<td>Psychiatric Genetics</td>
</tr>
<tr>
<td>HGEN 696</td>
<td>(3)</td>
<td>Advanced Readings in Genetics 1</td>
</tr>
<tr>
<td>HGEN 697</td>
<td>(3)</td>
<td>Advanced Readings in Genetics 2</td>
</tr>
<tr>
<td>HGEN 698</td>
<td>(3)</td>
<td>Advanced Readings in Genetics 3</td>
</tr>
<tr>
<td>HGEN 699</td>
<td>(3)</td>
<td>Advanced Readings in Genetics 4</td>
</tr>
</tbody>
</table>

Note: The Graduate Advisory Committee may stipulate additional course work at the 500, 600, or 700 level depending on the background of the candidate.

### 22.11.8.6 Master of Science (M.Sc.); Human Genetics (Thesis) — Bioinformatics (45 credits)

#### Thesis Courses (33 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HGEN 680</td>
<td>(9)</td>
<td>M.Sc. Thesis Research 1</td>
</tr>
<tr>
<td>HGEN 681</td>
<td>(12)</td>
<td>M.Sc. Thesis Research 2</td>
</tr>
<tr>
<td>HGEN 682</td>
<td>(12)</td>
<td>M.Sc. Thesis Research 3</td>
</tr>
</tbody>
</table>

#### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>(1.5)</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>(1.5)</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>HGEN 692</td>
<td>(3)</td>
<td>Human Genetics</td>
</tr>
</tbody>
</table>

#### Complementary Courses (6 credits)

6 credits from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>(3)</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>(3)</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>BTEC 555</td>
<td>(3)</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>(3)</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>(3)</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

### 22.11.8.7 Master of Science (M.Sc.); Human Genetics (Thesis) — Bioethics (45 credits)

#### Thesis Courses (30 credits)

30 credits selected as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>HGEN 681</td>
<td>(12)</td>
<td>M.Sc. Thesis Research 2</td>
</tr>
<tr>
<td>HGEN 682</td>
<td>(12)</td>
<td>M.Sc. Thesis Research 3</td>
</tr>
<tr>
<td>HGEN 683</td>
<td>(6)</td>
<td>M.Sc. Thesis Research 4</td>
</tr>
</tbody>
</table>

#### Required Courses (12 credits)

12 credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOE 680</td>
<td>(3)</td>
<td>Bioethical Theory</td>
</tr>
<tr>
<td>BIOE 681</td>
<td>(3)</td>
<td>Bioethics Practicum</td>
</tr>
<tr>
<td>HGEN 662</td>
<td>(3)</td>
<td>Laboratory Research Techniques</td>
</tr>
<tr>
<td>HGEN 692</td>
<td>(3)</td>
<td>Human Genetics</td>
</tr>
</tbody>
</table>
Complementary Courses (3 credits)
3 credits from the following:
- BIOE 682 (3) Medical Basis of Bioethics
- CMPL 642 (3) Law and Health Care
- PHIL 543 (3) Seminar: Medical Ethics
- RELG 571 (3) Religion and Medicine

22.11.8.8 Master of Science (M.Sc.); Genetic Counselling (Non-Thesis) (48 credits)

Required Courses - Phase I (24 credits)
- HGEN 600D1 (3) Genetic Counselling Practicum
- HGEN 600D2 (3) Genetic Counselling Practicum
- HGEN 601 (3) Genetic Counselling Principles
- HGEN 620D1 (4.5) Introductory Field Work Rotations
- HGEN 620D2 (4.5) Introductory Field Work Rotations
- HGEN 660 (3) Genetics and Bioethics
- PATH 653 (3) Reading and Conference

Required Courses - Phase II (24 credits)
- HGEN 610 (3) Genetic Counselling: Independent Studies 1
- HGEN 611 (3) Genetic Counselling: Independent Studies 2
- HGEN 630D1 (6) Advanced Field Work Rotations
- HGEN 630D2 (6) Advanced Field Work Rotations
- HGEN 640 (3) Clinical Genetics 1
- HGEN 641 (3) Clinical Genetics 2

22.11.8.9 Doctor of Philosophy (Ph.D.); Human Genetics

Candidates entering Ph.D. 1 must complete at least three years of full-time resident study (six terms). The normal and expected duration of the Ph.D. program is four to five years. A student who has obtained a master's degree at McGill in a related field, or at an approved institution elsewhere, and is proceeding in the same subject toward a Ph.D. degree may, upon the recommendation of the Graduate Training Committee, enter at the Ph.D. 2 level.

Thesis

Required Courses (3 credits)
- HGEN 692 (3) Human Genetics
- HGEN 701 (0) Ph.D. Comprehensive Examination

Complementary Courses (15 credits)
(15 credits or 6 credits depending on admission status as described above.)

Courses are to be chosen from the list below and/or from among 500-, 600-, or 700-level courses offered in the Faculties of Medicine and Science.
- HGEN 660 (3) Genetics and Bioethics
- HGEN 661 (3) Population Genetics
- HGEN 663 (3) Beyond the Human Genome
### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>HGEN 692</td>
<td>3</td>
<td>Human Genetics</td>
</tr>
<tr>
<td>HGEN 701</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
</tbody>
</table>

### Complementary Courses (6 credits)

* Two courses from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credit</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>3</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>3</td>
<td>Bioinformatics: Proteomics</td>
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<tr>
<td>BTEC 555</td>
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</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>3</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

* Note: Students who enter in Ph.D. 1 will need to take an additional 6 credits of complementary courses chosen from the departmental offerings listed for the Ph.D. in Human Genetics and/or from among 500-, 600-, or 700-level courses in the Faculties of Medicine or Science.

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### Medical Physics

#### 22.11.9.1 Location

Medical Physics Unit  
Montreal General Hospital  
Livingston Hall, Room L5-113  
1650 Cedar Avenue  
Montreal, QC H3G 1A4  
Canada
22.11.9.2 About Medical Physics

The Medical Physics Unit offers an M.Sc. in Medical Radiation Physics. Facilities are available for students to undertake a Ph.D. in Medical Physics through the Department of Physics.

The Unit is a teaching and research unit concerned with the application of physics and related sciences in medicine, especially (but not exclusively) in radiation medicine; i.e., radiation oncology, medical imaging, and nuclear medicine.

The research interests of members of the Unit include various aspects of medical imaging, including 3D imaging, the development of new imaging modalities, and applications of imaging in radiation therapy; radiation dosimetry, solid state, electret, and NMR systems; nuclear cardiology; and applications of radiation biology to therapy.

The M.Sc. and Ph.D. programs in Medical Physics are accredited by the Commission on Accreditation of Medical Physics Education Programs, Inc., sponsored by the American Association of Physicists in Medicine (AAPM), the American College of Medical Physics (ACMP), the American College of Radiology (ACR), and the Canadian College of Physicists in Medicine (CCPM).

section 22.11.9.5: Master of Science (M.Sc.); Medical Radiation Physics (Thesis) (60 credits)

This two-year program provides a comprehensive introduction to the academic, research, and practical aspects of physics applied to radiation medicine.

Students may go on to careers in clinical service as medical physicists in research-oriented hospital settings after clinical residency training; may consider development careers in industry in radiation therapy, diagnostic radiology, or nuclear medicine or nuclear energy; or in governmental organizations as radiation safety experts, etc.; or in academic careers in university, industry, or government organizations. Our graduate programs are accredited by CAMPEP (Commission for Accreditation of Medical Physics Education Programs). Medical Physicists must go through CAMPEP training (M.Sc. or Ph.D., followed by a residency training) to be eligible to sit certification exams. Certification is becoming a mandatory requirement for eligibility to practise in a clinical environment. The McGill M.Sc. program is research oriented, which has the additional advantage that the roads toward a Ph.D., followed by academic, industry, or clinical careers, are wide open. The practical and laboratory sections of the program are conducted in various McGill teaching hospitals.

The program comprises:

1. didactic courses in radiation physics, radiation dosimetry, the physics of nuclear medicine and diagnostic radiology, medical imaging, medical electronics and computing, radiation biology, and radiation hazards and protection;
2. seminars in radiation oncology, diagnostic radiology, and miscellaneous aspects of medical physics, e.g., lasers;
3. laboratory courses in radiation dosimetry and medical imaging;
4. an individual research thesis.

22.11.9.3 Medical Physics Admission Requirements and Application Procedures

22.11.9.3.1 Admission Requirements

Candidates applying to the M.Sc. program must normally hold a B.Sc. degree (Honours or Major) in Physics or Engineering, with a minimum overall GPA of 3.0/4.0 (minimum of 70%).

22.11.9.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs, Then select the appropriate program.

Students are admitted to the M.Sc. program only to start in the Fall term (in September) of a given academic year. Applications for consideration for the Fall term of 2012 must be completed by January 15, 2012.

Applications being made to McGill University graduate programs for September 2012 can only be made online via McGill’s website. For information regarding the application procedure and to access the application form, please go to www.mcgill.ca/gradapplicants/apply or go directly to the Medical Physics Unit admissions website at www.medphys.mcgill.ca and click on Academic and then Admissions Information.

Only complete applications will be considered. Interested candidates should (a) ask their university(ies) to send two originals of each transcript, and (b) request that original confidential letters of recommendation be sent by professors familiar with their work. Letters must be originals, must be dated within the last two years, and must be written on official university letterhead, otherwise they will not be accepted. The application fee of $100 may be remitted in either Canadian or U.S. funds. When preparing the online application form, the application fee is remitted via a valid credit card. Applicants must either complete the "Application Statement" portion of the online application, or alternatively may submit a one-page "Statement of Interest" as part of their supporting documentation.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone) must submit documented proof of competency in English by a TOEFL, IBT, or IELTS. The original test report must be sent by the testing centre, i.e., a photocopy sent by the applicant is not acceptable. The test must have been taken within the two years prior to date of application review, i.e., not prior to April 2009. Applicants from some countries are exempt from providing evidence of English language proficiency. For more information, see www.mcgill.ca/gradapplicants/apply/prepare/requirements/proficiency.
All supporting application materials should be sent directly to the Administrative Coordinator, Medical Physics Unit, and should reach the Department by January 15, 2012.

### 22.11.9.4 Medical Physics Faculty

<table>
<thead>
<tr>
<th>Role</th>
<th>Name and Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Director</td>
<td>J.P.F. Seuntjens</td>
</tr>
<tr>
<td>Professors</td>
<td>S.M. Lehnert; B.Sc.(Nott.), M.Sc., Ph.D.(Lond.)</td>
</tr>
<tr>
<td></td>
<td>G.B. Pike; B.Eng.(St. John’s), M.Eng., Ph.D.(McG.)</td>
</tr>
<tr>
<td></td>
<td>J.P.F. Seuntjens; M.Sc., Ph.D.(Ghent), F.C.C.P.M., F.A.A.P.M</td>
</tr>
<tr>
<td>Associate Professor</td>
<td>I. El Naqa; B.Sc., M.S.(Jordan), Ph.D.(Chic.), M.A.(Wash.), D.A.B.R.</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>M.D.C. Evans; B.A.(Qu.), M.Sc.(McG.), F.C.C.P.M.</td>
</tr>
<tr>
<td>Associate Members</td>
<td>A. Reader, R.B. Richardson, E. Soisson, N. Tomic, W. Wierzbicki</td>
</tr>
</tbody>
</table>

### 22.11.9.5 Master of Science (M.Sc.): Medical Radiation Physics (Thesis) (60 credits)

#### Thesis Courses (32 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDPH 625</td>
<td>32</td>
<td>M.Sc. Thesis Research</td>
</tr>
</tbody>
</table>

#### Required Courses (28 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDPH 601</td>
<td>3</td>
<td>Radiation Physics</td>
</tr>
<tr>
<td>MDPH 602</td>
<td>3</td>
<td>Applied Dosimetry</td>
</tr>
<tr>
<td>MDPH 603</td>
<td>2</td>
<td>Laboratory Practicum 1</td>
</tr>
<tr>
<td>MDPH 607</td>
<td>3</td>
<td>Introduction to Medical Imaging</td>
</tr>
<tr>
<td>MDPH 608</td>
<td>2</td>
<td>Laboratory - Diagnostic Radiology and Nuclear Medicine</td>
</tr>
<tr>
<td>MDPH 609</td>
<td>2</td>
<td>Radiation Biology</td>
</tr>
<tr>
<td>MDPH 611</td>
<td>2</td>
<td>Medical Electronics</td>
</tr>
<tr>
<td>MDPH 612</td>
<td>2</td>
<td>Computers in Medical Imaging</td>
</tr>
<tr>
<td>MDPH 613</td>
<td>2</td>
<td>Health Physics</td>
</tr>
<tr>
<td>MDPH 614</td>
<td>3</td>
<td>Physics of Diagnostic Radiology</td>
</tr>
<tr>
<td>MDPH 615</td>
<td>3</td>
<td>Physics of Nuclear Medicine</td>
</tr>
<tr>
<td>MDPH 616</td>
<td>1</td>
<td>Selected Topics in Medical Physics</td>
</tr>
</tbody>
</table>
22.11.10 Medicine, Experimental

22.11.10.1 Location

Division of Experimental Medicine
Department of Medicine
Lady Meredith House, Room 101
1110 Pine Avenue West
Montreal, QC H3A 1A3
Canada

Telephone: 514-398-3466
Fax: 514-398-3425
Email: experimental.medicine@mcgill.ca
Website: www.medicine.mcgill.ca/expmed

22.11.10.2 About Experimental Medicine

Experimental Medicine is a Division of the Department of Medicine charged with the task of providing graduate education in the Department, and enabling professors located in the research institutes of the McGill teaching hospitals and certain other centres to supervise graduate students. The Division offers various programs, each of which has different training objectives (see below). The international recognition of the high-quality training accorded our graduates is in essence what distinguishes graduates of our programs from the graduates of comparable programs in peer institutions.

section 22.11.10.5: Master of Science (M.Sc.); Experimental Medicine (Thesis) (45 credits)

Applicants for the M.Sc. in Experimental Medicine must hold a B.Sc. degree or its equivalent. The graduate training offered is wide-ranging and addresses experimental aspects of medicine in such diverse areas as endocrinology, hematology, cardiology, oncology, gastroenterology, genetics, and infectious diseases. This is a thesis program that may lead to careers in industry or serve as a stepping stone to further graduate studies.

section 22.11.10.6: Master of Science (M.Sc.); Experimental Medicine (Thesis) — Bioethics (45 credits)

Applicants for the M.Sc. (Bioethics Option) program must hold an M.D., Nursing, Physical and Occupational Therapy, and/or any other professional health training degree. Students who do not fit these criteria may be considered for admission on an individual basis. The objectives of this research-stream program are to allow students to conduct innovative research in relation to a bioethical issue pertinent to health care and to acquire a working knowledge of bioethical issues from the current viewpoint of other relevant disciplines such as law, philosophy, and religious studies. The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics Unit, bioethics courses (6 credit minimum) offered by the base faculty or department and any graduate course required or accepted by a base faculty for the granting of a Master’s degree, for a total of 21 credits. A minimum of 45 credits is required including the thesis. The research culminates in the preparation of a thesis.

section 22.11.10.7: Master of Science (M.Sc.); Experimental Medicine (Thesis) — Environment (45 credits)

Applicants for the M.Sc. (Environment Option) must meet the requirements for the M.Sc. in Experimental Medicine as well as those set out by the McGill School of Environment (MSE) for their graduate option. Acceptability into the option will be based on a student's academic experience and performance, availability of an MSE accredited supervisor or co-supervisor, the proposed research, and plans for funding as articulated by the supervisor(s). The Environment option is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues and who wish to benefit from interactions that will occur as they are brought into contact with students from a wide range of disciplines through structured courses, formal seminars, and informal discussions and networking. The option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have.

section 22.11.10.8: Master of Science (M.Sc.); Experimental Medicine (Thesis) — Family Medicine (45 credits)

Applicants for the M.Sc. (Family Medicine Option) must be practising family physicians interested in conducting research in family medicine. Exceptionally, candidates from different backgrounds may be considered. This program is the first of its kind in Canada because it teaches rigorous research skills to be successful researchers in the discipline of family medicine. It differs from the other programs in that it focuses on improving primary care delivery. All students are expected to complete a thesis to graduate. Graduates of this program may lead to careers in clinical or primary care research, government, or academia.

section 22.11.10.9: Doctor of Philosophy (Ph.D.); Experimental Medicine

Applicants for the Ph.D. in Experimental Medicine must normally hold an M.Sc. degree. The one exception is the possibility of direct entry offered to candidates having demonstrated academic excellence, i.e., a CGPA of 3.5 or more out of a possible 4.0 throughout their undergraduate studies. The training is in the conduct of research in a wide range of medical specialties. The method of instruction consists of a combination of in-class and practical training as well as exposure to international conferences and guest seminars. Success is ultimately determined by the preparation and defense of a thesis. This program may lead to research careers in industry, government, or academia.
section 22.11.10.10: Doctor of Philosophy (Ph.D.); Experimental Medicine — Environment

Applicants to the Ph.D. (Environment Option) must meet the same qualification as those to the M.Sc. (Environment Option), the only difference being that they must hold an M.Sc. rather than simply a B.Sc. For further details, please see the section above regarding the M.Sc. (Environment Option).

section 22.11.10.11: Graduate Diploma in Clinical Research (30 credits)

The objectives of this program are to give students exposure to both theoretical and practical issues relevant to the conception and conduct of a clinical research study, as well as allowing them to put these principles in practice by participating in an ongoing clinical trial. The core element of the diploma is the Practicum in Clinical Research. It is an active "clerkship" or "intern/resident type" participation in an ongoing clinical trial and/or research program. Six 1-credit workshops will be provided by experts in the academic, industrial, and government sectors, and cover wide-ranging issues pertinent to the conduct of clinical research. The training provided qualifies students to manage and design clinical research studies in both academic and industrial settings.

22.11.10.3 Medicine, Experimental Admission Requirements and Application Procedures

2211.1031 Admission Requirements

For all four programs, candidates educated outside of Canada and the United States must submit GRE (General Examination) scores.

M.Sc. or Ph.D. in Experimental Medicine

Admission to graduate studies and research in Experimental Medicine is no longer solely restricted to students who wish to register for the Ph.D. degree. Candidates who hold only a major or honours B.Sc. degree, or an M.D. degree, must apply to the M.Sc. program, unless they have an undergraduate CGPA of 3.5 or more out of a possible 4.0, in which case they may apply for direct entry into the Ph.D. if they so desire. Candidates who already hold an M.Sc. apply directly to the Ph.D. program.

Admission is based on an evaluation by the Admissions Committee, which looks for evidence of high academic achievement, and on acceptance by a research director. It is the policy of the Division that all students must be financially supported either by their supervisor or through studentships or fellowships.

In addition to the documentation currently required by Graduate and Postdoctoral Studies, a letter from the candidate's research director outlining the M.Sc. or Ph.D. project is necessary.

M.Sc. (Bioethics Option)

Admission to the master's program in Bioethics, from the base discipline Medicine, shall be limited to students having degrees in Medicine, Nursing, Physical and Occupational Therapy, as well as any other professional health training degree. Students who do not fit these criteria may be considered for admission on an individual basis.

For those who apply to the M.Sc. (Bioethics Option), the requirements, as well as the application dates for guaranteed consideration are different. For further information regarding this program, please refer to the Bioethics entry or visit their website at www.mcgill.ca/biomedicalethicsunit/masters.

M.Sc. (Environment Option)

For those applicants wishing to apply to the Master's program (Environment Option), it should be noted that, although the requirements and application dates for guaranteed consideration remain the same, the student must remit additional documents which constitute their application to NOT ONLY the Division of Experimental Medicine but ALSO to the McGill School of Environment. All the relevant information can be found on the School of Environment website at www.mcgill.ca/mse/programs/envroption.

The option of in-course addition of the Environment Option is also available to students in Experimental Medicine. For further information, students should refer to the departmental website or contact the student affairs office.

M.Sc. (Family Medicine Option)

The M.Sc. in Experimental Medicine (Thesis) – Family Medicine option is designed to provide research training to family physicians practising in Quebec interested in conducting research in family medicine. Exceptionally, students who do not fit these criteria may be considered for admission on an individual basis.

For those who apply to the M.Sc. (Family Medicine Option), the requirements, as well as the application deadline are different. For further information regarding this program, please visit their website at: www.mcgill.ca/familymed/mastersprogram.

Graduate Diploma in Clinical Research

The Diploma program is open to health care and research professionals, medical residents, pharmacists, nurses, and those with an undergraduate degree in the medical and allied sciences.

2211.1032 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Applications will be considered upon receipt of:

1. application form;
2. letter of intent;
3. curriculum vitae;
4. two copies of official university transcripts;
5. letters of reference (2);
6. $100 application fee;
7. test results (TOEFL and GRE);
8. additional documents (in the case of both the M.Sc. (Bioethics Option) and the M.Sc. (Environment Option)).

All information is to be submitted to the Departmental Office.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

22.11.10.4 Medicine, Experimental Faculty

Chair, Department of Medicine
D. Eidelman

Director, Division of Experimental Medicine
H. Bennett

Emeritus Professors
T.M.S. Chang; B.Sc., M.D., C.M., Ph.D.(McG.), F.R.C.P.(C)
B.E.P. Murphy; B.A., M.D.(Tor.), M.Sc., Ph.D.(McG.), F.A.C.P.(C)

Professors
M. Alaoui-Jamali; D.V.M.(Rabat, Morocco), Ph.D.(René-Descartes, Paris)
C. Autexier; B.Sc.(C’dia), Ph.D.(McG.)
A. Bateman; B.Sc., Ph.D.(Lond.)
G. Batist; B.Sc.(Col.), M.D., C.M.(McG.), F.R.C.P.(C)
N. Beauchemin; B.A., B.Sc., M.Sc., Ph.D.(Montr.)
H. Bennett; B.A.(York, UK), Ph.D.(Brun.)
R. Blostein; M.Sc., Ph.D.(McG.)
A.E. Clarke; M.D.(Nfld.), M.S.(Stan.), F.R.C.P.(C)
M. Cosio; B.Sc.(Oviedo), M.D.(Madrid)
A. Cybulsky; M.D.(Tor.), F.R.C.P.(C)
D. Eidelman; M.D., C.M.(McG.), F.R.C.P.(C)
A. Fuks; B.Sc., M.D., C.M.(McG.)
J. Genest Jr.; M.D., C.M.(McG.), F.R.C.P.(C)
A. Giaid; D.V.M.(Baghdad), M.D., Ph.D.(Lond.)
V. Giguere; B.Sc., Ph.D.(Laval)
M. Goldberg; B.Sc., M.Sc., Ph.D.(McG.)
D. Goltzman; B.Sc., M.D., C.M.(McG.), F.R.C.P.(C)
S.A. Grover; B.A.(Roch.), M.D., C.M.(McG.), M.P.A.(Harv.), F.R.C.P.(C)
Q.A. Hamid; M.D.(Mosul, Iraq.), Ph.D.(Lond.)
G. Hendy; B.Sc.(Sheff.), Ph.D.(Lond.)
J. Hiscott; B.Sc., M.Sc.(W. Ont.), Ph.D.(NYU)
L.J. Hoffer; B.Sc., M.D., C.M.(McG.), Ph.D.(MIT)
S. Hussain; M.D.(Baghdad), Ph.D.(McG.)
A.C. Karaplis; B.Sc., M.D., Ph.D.(McG.)
L. Kleiman; B.Sc.(Ill.), Ph.D.(Johns Hop.)
R. Kremer; M.D., Ph.D.(Paris)
Professors

S. Lehnert; B.Sc.(Nottingham), M.Sc., Ph.D.(Lond.)
M. Levy; B.Sc., M.D., C.M.(McG.), F.R.C.P.(C)
M.S. Ludwig; M.D.(Manit.), F.R.C.P.(C)
S. Magder; M.D.(Tor.), F.R.C.P.(C)
D. Malo; D.V.M., M.Sc.(Montr.), Ph.D.(McG.)
O.A. Mamer; B.Sc., Ph.D.(Windsor)
E. Marliss; M.D.(Alta.), F.R.C.P.(C)
J. Martin; B.Sc., M.B., B.Ch., M.D.(Cork), F.R.C.P.(C)
J. Milic-Emili; M.D.(Milan), F.R.S.C.
W.H. Miller; A.B.(Princ.), Ph.D.(Rock.), M.D.(C'nell)
W.J. Muller; B.Sc., Ph.D.(McG.)
A. Nepveu; B.Sc., M.Sc.(Montr.), Ph.D.(Sher.)
T. Nilsson; B.Sc., Ph.D.(Sweden)
L. Panasci; B.Sc., M.D.(G'town)
K. Pantopoulos; B.Sc., Ph.D.(Aristotelian, Greece)
V. Papadopoulos; D.Pharm.(Athens), Ph.D.(Paris)
M. Park; B.Sc., Ph.D.(Glas.)
A.C. Peterson; B.Sc.(Vic., BC), Ph.D.(Br. Col.)
B.J. Petrof; M.D.(Laval)
M.N. Pollak; M.D., C.M.(McG.), F.R.C.P.(C)
P. Ponka; M.D., Ph.D.(Prague)
B. Posner; M.D.(Manit.), F.R.C.P.(C)
W.S. Powell; B.A.(Sask.), Ph.D.(Dal.)
S. Prakash; M.Sc., M.Tech., M.Phil.(India), Ph.D.(McG.)
S. Rababani; M.B.B.S.(King Edward Med. Coll., Lahore)
D. Radzioch; M.Sc., Ph.D.(Jagiellonian, Cracow)
M. Rasminskey; B.A.(Tor.), M.D.(Harv.), Ph.D.(Lond.)
S. Richard; B.Sc., Ph.D.(McG.)
E. Schiffrin; M.D.(Argentina), Ph.D.(McG.)
E. Schurr; Diplom., Ph.D.(Al. Ludwigs U., Freiburg)
E. Skamene; M.D.(Charles U., Czech.), Ph.D.(Czech. Acad. of Sci.), F.R.C.P.(C), F.A.C.P.
A.D. Sniderman; M.D.(Tor.)
C. Srikant; M.Sc., Ph.D.(Madr.)
M.M. Stevenson; B.A.(Hood), M.Sc., Ph.D.(Catholic U. of Amer.)
D.M.P. Thomson; M.D.(W. Ont.), Ph.D.(Lond.), F.R.C.P.(C)
M. Trifiro; B.Sc., M.D., C.M.(McG.)
C. Tsoukas; B.Sc.(McG.), M.Sc.(Hawaii), M.D.(Athens), F.R.C.P.(C)
M. Wainberg; B.Sc.(McG.), Ph.D.(Col.)
J. White; B.Sc., M.Sc.(Car.), Ph.D.(Harv.)
S. Wing; B.Sc., M.Sc.(McG.)
X.-J. Yang; B.Sc.(Zhejiang), Ph.D.(Shanghai)
M. Zannis-Hadjopoulos; B.Sc., M.Sc., Ph.D.(McG.)
Professors

H. Zingg; M.D.(Basel), Ph.D.(McG.)

Associate Professors

S. Ali; B.Sc.(C'dia), Ph.D.(McG.)
D. Baran; M.D.,C.M.(McG.), F.R.C.P.(C)
M. Behr; B.Sc.(Tor.), M.D.(Qu.), M.Sc.(McG.)
N. Bernard; B.Sc.(McG.), Ph.D.(Duke)
V. Blank; B.Sc., M.Sc.(Konstanz, Germany), Ph.D.(Inst. Pasteur)
M. Blostein; M.D.,C.M.(McG.)
L. Chalifour; B.Sc., Ph.D.(Manit.), M.A.(Harv.)
S.R. Cohen; B.Sc., M.Sc., Ph.D.(McG.)
D. Cournoyer; M.D.(Sher.), F.R.C.P.(C)
M. Culty; B.Sc., M.Sc.(Lyon), Ph.D.(Grenoble)
G. Di Battista; B.Sc.(C'dia), M.Sc., Ph.D.(Montr.)
F. Doualla-Bell; B.Sc., M.S., Ph.D.(Paris XI)
J.C. Engert; B.A.(Colby), Ph.D.(Boston)
E. Fixman; B.Sc.(Col.), Ph.D.(Johns Hop.)
R. Gagnon; B.Sc.(Montr.), M.D.(Laval), D.Phil.(Oxf.)
A. Gatignol; M.Sc., Ph.D.(Paul Sabatier)
S.B. Gottfried; M.D.(Penn.)
J. Henderson; B.Sc., Ph.D.(McG.)
B. Jean-Claude; B.Sc., M.Sc.(Moncton), Ph.D.(McG.)
P. Laneuveille; B.Sc.(McM.), M.D.(Ott.), F.R.C.P.(C)
S. Laporte; B.Sc., M.Sc., Ph.D.(Sher.)
L. Larose; B.Sc., Ph.D.(Montr.)
M. Laugre; B.Sc.(Laval), M.Sc., M.Phil., Ph.D.(Yale)
A.-M. Lauzon; B.Sc., M.Sc., Ph.D.(McG.)
J.-J. Lebrun; B.Sc., M.Sc., Ph.D.(Rennes, France)
L. Lecanu; M.Sc., Ph.D.(Paris)
S. Lemay; M.D.(Montr.), F.R.C.P.(C)
R. Lin; B.Sc., M.Sc.(PRC), Ph.D.(C'dia)
M. Lipman; M.D.,C.M.(McG.), F.R.C.P.(C)
J.-L. Liu; B.Sc., M.Sc.(Beijing), Ph.D.(McG.)
J.A. Morais; M.D.(Montr.), F.R.C.P.(C)
A. Mouland; B.A., B.Sc., Ph.D.(McG.)
M. Newkirk; B.Sc., M.Sc.(Qu.), Ph.D.(Tor.)
S. Qureshi; B.Sc., M.D.(Alta.), F.R.C.P.(C)
J. Rauch; B.Sc., Ph.D.(McG.)
J.-P. Routy; B.Sc., M.D., Ph.D.(France)
G. Spurll; B.Sc.(Med.), M.D.(Manit.)
T. Takano; M.D., Ph.D.(Tokyo)
P. Tonin; B.Sc., M.Sc., Ph.D.(Tor.)
### Associate Professors

B. Turcotte; B.Sc., Ph.D.(Laval)

B.J. Ward; M.D.,C.M.(McG.), M.Sc.(Oxf.), F.R.C.P.(C)

### Assistant Professors

R. Aloyz; B.A., M.Sc., Ph.D.(Argentina)

C. Baglole; B.Sc., M.Sc.(PEI), Ph.D.(Calg.)

M. Chevrrette; B.Sc., M.Sc., Ph.D.(Laval)

S. Daskalopoulou; M.D.(Athens)

M. Divangahi; B.Sc.(McM.), Ph.D.(McG.)

B. Gilfix; B.Sc.(Manit.), Ph.D.(W. Ont.), M.D.,C.M.(McG.), F.R.C.P.(C)

C. Haston; B.Sc.(W. Ont.), M.Sc.(Tor.), Ph.D.(Texas)

N. Johnson; B.Sc.(C'dia), M.D.(Ott.), Ph.D.(Br. Col.), F.R.C.P.(C)

M. Kokoeva; B.Sc., Ph.D.(Russia)

L. Koski; B.Sc.(Tor.), Ph.D.(McG.)

A. Kristof; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)

S. Lehoux; B.Sc.(Bishop's), Ph.D.(Sher.)

C. Liang; B.Sc., Ph.D.(Nankai)

B. Mazer; B.Sc.(Col.), M.D.,C.M.(McG.), F.R.C.P.(C)

M. Murshed; M.Sc.(Brussels), Ph.D.(Cologne)

A. Murugan; M.D.,C.M.(McG.), F.R.C.P.(C)

R. Rajan; B.Sc., M.D.(Manit.), M.Sc.(McM.)

C. Rocheleau; B.A.(Assumption Coll.), Ph.D.(Mass.)

S. Rousseau; B.Sc., M.Sc., Ph.D.(Laval)

M. Saleh; B.Sc., M.Sc.(Beirut), Ph.D.(McG.)

M. Sebag; B.Sc., Ph.D.(McG.), M.D.(Tor.), F.R.C.P.(C)

P. Siegel; B.Sc., Ph.D.(McM.)

R. Sladek; B.Sc., M.D.(Tor.), F.R.C.P.(C)

E. Torban; B.Sc., M.Sc.(Russia), Ph.D.(McG.)

### Associate Members, McGill


### Associate Members, Université de Montréal


### Associate Member, Pharmaceutical Companies

B. Gibbs
22.11.10.5 Master of Science (M.Sc.); Experimental Medicine (Thesis) (45 credits)

Thesis Courses (36 credits)
24-36 credits selected from the following:

- EXMD 690 (3) Master's Thesis Research 1
- EXMD 691 (6) Master's Thesis Research 2
- EXMD 692 (9) Master's Thesis Research 3
- EXMD 693 (12) Master's Thesis Research 4
- EXMD 694 (12) Master's Thesis Research 5

Complementary Courses (21 credits)
9-21 credits of courses at the 500, 600, or 700 level chosen in consultation with the Supervisor. A minimum of 9 course credits is required for students entering the program with a bachelor's or M.D. degree.

22.11.10.6 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Bioethics (45 credits)

Thesis Courses (24 credits)

- BIOE 690 (3) M.Sc. Thesis Literature Survey
- BIOE 691 (3) M.Sc. Thesis Research Proposal
- BIOE 693 (12) M.Sc. Thesis

Required Courses (6 credits)

- BIOE 680 (3) Bioethical Theory
- BIOE 681 (3) Bioethics Practicum

Complementary Courses (15 credits)

3 credits, one of the following:

- BIOE 682 (3) Medical Basis of Bioethics
- CMPL 642 (3) Law and Health Care
- PHIL 543 (3) Seminar: Medical Ethics
- RELG 571 (3) Religion and Medicine

12 credits, four 3-credit BIOE or EXMD graduate courses (500, 600, or 700 level) chosen in consultation with the Supervisor.

22.11.10.7 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Environment (45 credits)

Thesis Courses (24 credits)

- EXMD 690 (3) Master's Thesis Research 1
- EXMD 692 (9) Master's Thesis Research 3
- EXMD 693 (12) Master's Thesis Research 4

Required Courses (6 credits)

- ENVR 610 (3) Foundations of Environmental Policy
Complementary Courses (15 credits)
3 credits from one of the following courses*:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
- ENVR 680 (3) Topics in Environment 4

* or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

12 credits of courses at the 500, 600, or 700 level chosen in consultation with the student's academic supervisor.

22.11.10.8 Master of Science (M.Sc.); Experimental Medicine (Thesis) — Family Medicine (45 credits)

Thesis Courses (24 credits)
- EXMD 693 (12) Master's Thesis Research 4
- EXMD 694 (12) Master's Thesis Research 5

Required Courses (17 credits)
- DENT 672 (3) Applied Mixed Methods in Health Research
- EPIB 507 (3) Biostatistics for Health Professionals
- EPIB 600 (3) Clinical Epidemiology
- FMED 500 (1) Introduction to Research
- FMED 600 (1) Mixed Studies Reviews
- FMED 601 (3) Advanced Topics in Family Medicine Research
- PSYT 625 (3) Qualitative Research in Health Care

Elective Courses (4 credits)
Up to 4 credits, at the 500 level or higher, of coursework may be chosen from outside the Department, in consultation with the student’s academic adviser or supervisor.

22.11.10.9 Doctor of Philosophy (Ph.D.); Experimental Medicine

A minimum of 12 course credits is required for students entering the program with a prior master's degree. Students having only a B.Sc. or M.D. degree and who have been either admitted directly or fast-tracked to the Ph.D. must complete a total of 18 credits. The following courses are highly recommended: EXMD 604D1/D2 Recent Advances in Cellular and Molecular Biology; EXMD 610 Biochemical Methods in Medical Research.

After consultation with their research supervisor and the Director of the Division, students may choose their courses from those offered by Experimental Medicine, Physiology, and Biochemistry, as well as other graduate and advanced undergraduate courses in the medical and allied sciences. Where necessary, students may enrol for credit in courses offered in the physical and mathematical sciences.

Thesis
Required Courses

EXMD 701D1 (0) Comprehensive Oral Examination
EXMD 701D2 (0) Comprehensive Oral Examination

Complementary Courses (18 credits)
(12-18 credits)
A minimum of 12 course credits is required for students entering the program with a prior master's degree. Students having been fast-tracked to the Ph.D. must complete a total of 18 credits (9 credits in addition to the 9 which were originally requested upon entry into the M.Sc. program).

22.11.10 Doctor of Philosophy (Ph.D.); Experimental Medicine — Environment

Thesis

Required Courses (6 credits)

ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
ENVR 652 (1) Environmental Seminar 3
EXMD 701D1 (0) Comprehensive Oral Examination
EXMD 701D2 (0) Comprehensive Oral Examination

Complementary Courses (12 credits)
(6-12 credits)
One of the following courses:

ENVR 519 (3) Global Environmental Politics
ENVR 544 (3) Environmental Measurement and Modelling
ENVR 580 (3) Topics in Environment 3
ENVR 611 (3) The Economy of Nature
ENVR 620 (3) Environment and Health of Species
ENVR 622 (3) Sustainable Landscapes
ENVR 630 (3) Civilization and Environment
ENVR 680 (3) Topics in Environment 4

* or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

One to three courses at the 500, 600, or 700 level chosen in consultation with the student's academic supervisor.

22.11.10 Graduate Diploma in Clinical Research (30 credits)
The core element of the diploma is the Practicum in Clinical Research. It is a six-step program with active "clerkship" or "intern/resident type" participation in each component that is essential to the successful development and evaluation of a clinical trial.

Required Courses (6 credits)

EXMD 617 (1) Workshop in Clinical Trials 1
EXMD 618 (1) Workshop in Clinical Trials 2
EXMD 619 (1) Workshop: Clinical Trials 3
EXMD 620 (1) Clinical Trials and Research 1
Complementary Courses (6 credits)
Two courses chosen from: Experimental Medicine (EXMD), Pharmacology and Therapeutics (PHAR), Epidemiology and Biostatistics (EPIB). With approval, courses from other Allied Health Sciences departments may be considered.

Required Practicum (18 credits)
EXMD 627 (18) Practicum in Clinical Research

**22.11.11 Microbiology and Immunology**

**22.11.11.1 Location**
Department of Microbiology and Immunology
3775 University Street
Montreal, QC H3A 2B4
Canada

Telephone: 514-398-3061
Fax: 514-398-7052
Email: office.microimm@mcgill.ca
Website: www.mcgill.ca/microimm

**22.11.11.2 About Microbiology and Immunology**
The Department offers graduate programs leading to the degrees of M.Sc. and Ph.D. Each program is tailored to fit the needs and backgrounds of individual students. The graduate program is designed to offer students state-of-the-art training, concentrating on four key areas of research: cellular and molecular immunology, microbial physiology and genetics, molecular biology of viruses, and medical microbiology. Basic research discoveries in microbiology may lead to improved drug design and vaccine development to treat and prevent diseases. The Department has many notable facilities and resources, including a Cell sorter, ultra centrifuges, confocal microscope, real-time PCR facilities, cryostat for Immunocytochemistry, and facilities for radio-isotope studies and infectious diseases. We foster close ties with McGill’s teaching hospitals and research centres to promote multidisciplinary research.

**section 22.11.11.5: Master of Science (M.Sc.); Microbiology and Immunology (Thesis) (45 credits)**
The primary goal of this program is to provide students with unique opportunities to learn experimental designs and fundamental research techniques, and objectively synthesize information from scientific literature. These tools enable the students to focus on major research topics offered by the Department: molecular microbiology, mycology, microbial physiology, virology, genetics, immunology, drug design, and aspects of host-parasite relationships. Each M.Sc. student chooses their preferred major research area and research supervisor. Following an interview, the student is presented with a research topic and offered a studentship (amounts vary). Each student then must register for our graduate courses (two seminars, two reading and conference courses, and three current topics). If pertinent to the student’s research program, the research adviser may advise the student to take additional courses. Most of our students, after one year, are proficient researchers, and some first author of a research publication. About 70% of the M.Sc. students elect to enter into our Ph.D. program. The remaining students advance their microbiology background by opting to enter into medicine, epidemiology, biotechnology, or pharmaceutical disciplines.

**section 22.11.11.6: Doctor of Philosophy (Ph.D.); Microbiology and Immunology**
The primary goal of the Ph.D. program is to create a self-propelled researcher, proficient in experimental designs and advanced methodologies applicable to the varied and rapidly changing disciplines in microbiology and immunology. Close research supervision and bi-weekly laboratory sessions impart the requisite research discipline and objective assessment of acquired or published research data. A Ph.D. student, if promoted from our M.Sc. program, without submitting the thesis, is required to register for one graduate seminar and one reading and conference course, but the bulk of his/her time is devoted to research. Other requirements include a yearly presentation of the accumulated research data to the Ph.D. supervisory committee, successfully clearing the Ph.D. comprehensive examination, two years after registration into the Ph.D. program, and finally submission of a thesis. The research theme must be original, and the acquired data and hypothesis must be defended orally by the student. Each student receives a stipend for the entire duration and a minimum six-semester residency is required for the completion of the program.

**22.11.11.3 Microbiology and Immunology Admission Requirements and Application Procedures**

**22.11.11.3.1 Admission Requirements**
Master’s
Candidates are required to hold a B.Sc. degree in microbiology and immunology, biology, biochemistry, or another related discipline; those with the M.D., D.D.S., or D.V.M. degrees are also eligible to apply. The minimum grade point average for acceptance into the program is 3.2 (out of 4.0). Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available.

The Test of English as a Foreign Language (TOEFL):

- Paper-Based Test (PBT): a minimum score of 575
- Internet-Based Test (iBT): a minimum overall score of 95
- The International English Language Testing System (IELTS): a minimum overall band score of 7.0

The TOEFL Institution Code for McGill University is 0935.

Ph.D.

Students who have satisfactorily completed an M.Sc. degree in microbiology and immunology, a biological science, or biochemistry, or highly qualified students enrolled in the departmental M.Sc. program, may be accepted into the Ph.D. program provided they meet its standards.

22.11.132 Application Procedures

Applications will be considered upon receipt of:

1. online application;
2. two official transcripts;
3. two letters of reference;
4. letter from a prospective supervisor;
5. $100 application fee;
6. TOEFL test (GRE not required but recommended).

All information is to be submitted directly to the Student Affairs Officer in the Department of Microbiology and Immunology.

All applicants are encouraged to approach academic staff members during or before the application process since no applicants are accepted without a supervisor.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

All applications and documents must be submitted by the dates for guaranteed consideration.

22.11.14 Microbiology and Immunology Faculty

Chair

M.G. Baines (retiring May 31, 2011) (Interim Chair)

Emeritus Professors

G. Faubert

R.A. MacLeod

Professors

A. Berghuis; M.Sc.,(The Netherl.), Ph.D.(Br. Col.)
J.W. Coulton; B.Sc.,(Tor.), M.Sc.,(Calg.), Ph.D.,(W. Ont.)
J. Hiscott; B.Sc., M.Sc., Ph.D.,(W. Ont.)
G.J. Matlashewski; B.Sc.,(C'dia), Ph.D.(Ohio)
R.A. Murgita; B.Sc.,(Maine), M.S.,(Vermont), Ph.D.,(McG.)
M.A. Wainberg; B.Sc.,(McG.), Ph.D.,(Col.)
### Associate Professors
- D.J. Briedis; B.A., M.D.(Johns Hop.)
- B. Cousineau; B.Sc., M.Sc., Ph.D.(Montr.)
- S. Fournier; Ph.D.(Montr.)
- M. Gotte; Ph.D.(Max Planck)
- H. Le Moual; Ph.D.(Montr.)
- G. T. Marczynski; B.Sc., Ph.D.(Ill.)
- M. Olivier; B.Sc.(Montr.), Ph.D.(McG.)
- C. Piccirillo; B.Sc., Ph.D.(McG.)
- D. Sheppard; M.D.(Tor.)
- S. Vidal; Ph.D.(Geneva)

### Assistant Professors
- J. Fritz; Ph.D.(Vienna)
- S. Gruenheid; B.Sc.(Br. Col.), Ph.D.(McG.)
- C. Krawczyk; Ph.D.(Tor.)

### Associate Members
- **Human Genetics**: P. Gros
- **Institute of Parasitology**: F. Dziersinski, A. Jardim, M. Ndao, P. Ribeiro, P. Rohrbach
- **Microbiology and Immunology**: L. Kleiman
- **Neuroimmunology**: A. Bar-Or
- **Neurology and Neurosurgery**: J. Antel
- **Oncology**: A. Gatignol, A.E. Koromilas, A. Mouland, S. Richard
- **Ophthalmology**: M. Burnier
- **Surgery**: N.V. Christou

### Adjunct Professors

### 22.11.11.5 Master of Science (M.Sc.); Microbiology and Immunology (Thesis) (45 credits)

#### Thesis Courses (24 credits)
- MIMM 697 (8) Master's Research 1
- MIMM 698 (8) Master's Research 2
- MIMM 699 (8) Master's Research 3

#### Required Courses (15 credits)
- MIMM 611 (3) Graduate Seminars 1
- MIMM 612 (3) Graduate Seminars 2
- MIMM 613 (3) Current Topics 1
- MIMM 614 (3) Current Topics 2
Complementary Courses (6 credits)

6 credits, two of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIMM 616</td>
<td>3</td>
<td>Reading and Conference 1</td>
</tr>
<tr>
<td>MIMM 617</td>
<td>3</td>
<td>Reading and Conference 2</td>
</tr>
<tr>
<td>MIMM 618</td>
<td>3</td>
<td>Reading and Conference 3</td>
</tr>
<tr>
<td>MIMM 619</td>
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Other courses may be required to strengthen the student's background.

22.11.11.6 Doctor of Philosophy (Ph.D.); Microbiology and Immunology

Thesis

Required Courses (18 credits)

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<td>Graduate Seminars 1</td>
</tr>
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<td>Current Topics 2</td>
</tr>
<tr>
<td>MIMM 615</td>
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<td>Current Topics 3</td>
</tr>
<tr>
<td>MIMM 701</td>
<td>0</td>
<td>Comprehensive Examination-Ph.D. Candidate</td>
</tr>
<tr>
<td>MIMM 713</td>
<td>3</td>
<td>Graduate Seminars 3</td>
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</tbody>
</table>

Complementary Courses (12 credits)

(minimum of 12 credits)

Three courses from List A and a minimum of three consecutive courses from List B

List A:

<table>
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<th>Credits</th>
<th>Course Title</th>
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List B:

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<tr>
<td>MIMM 721</td>
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<td>Ph.D. Research Progress Report 1</td>
</tr>
<tr>
<td>MIMM 722</td>
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<td>Ph.D. Research Progress Report 2</td>
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<tr>
<td>MIMM 723</td>
<td>1</td>
<td>Ph.D. Research Progress Report 3</td>
</tr>
<tr>
<td>MIMM 724</td>
<td>1</td>
<td>Ph.D. Research Progress Report 4</td>
</tr>
</tbody>
</table>

Other courses may be required to strengthen the student's background.


22.11.12 Neuroscience (Integrated Program in)

22.11.12.1 Location

Montreal Neurological Institute, Room 141
3801 University Street
Montreal, QC H3A 2B4
Canada

Telephone: 514-398-1229 / 398-6243 / 398-1905
Fax: 514-398-4621
Email: ipn@mcgill.ca or ipn.admissions@mcgill.ca
Website: www.mcgill.ca/ipn

22.11.12.2 About the Integrated Program in Neuroscience

Montreal is home to the largest concentration of neuroscientists in North America. Neuroscience research at McGill University is internationally renowned, and its Integrated Program in Neuroscience (IPN) provides graduate training in this outstanding research environment. With approximately 300 M.Sc. and Ph.D. students and more than 160 supervisors, the IPN is the largest graduate program in the Faculty of Medicine and one of the largest neuroscience graduate programs in North America. Neuroscience training within the IPN spans the full spectrum of research fields, from cellular and molecular neuroscience to behavioural and cognitive neuroscience. In addition to laboratory research, the IPN offers an extensive range of courses, hosts an annual Neuroscience Retreat, and maintains a seminar program to facilitate communication between students in different neuroscience disciplines. Neuroscience trainees from McGill have gone on to successful careers in academia and industry.

A prospective graduate student may identify a supervisor from one of several research streams, spanning the full spectrum of neuroscience research. A student with a bachelor's degree may apply to the M.Sc. program; it is common to transfer to the Ph.D. program if suitable progress is made. Students with M.Sc. degrees may apply directly to the Ph.D. program. From 2010, IPN also offers a Ph.D. Rotation program each September.

GENERAL

1. Students must select an Advisory Committee, in conjunction with their thesis supervisor. This committee will consist of the thesis supervisor and two other individuals who will participate in discussions with students about their research program.

2. Students are required to submit a written thesis proposal (at the end of their first year for M.Sc. students, and at least one month prior to the Candidacy Examination for Ph.D. students). This document must state the hypothesis being tested, the relevant literature, and a summary of the methods that will be used to address the research question. This proposal will then be orally presented to the student's Advisory Committee, which will review the written proposal and communicate its recommendations to the student.

3. Students will present a formal seminar on their research work prior to writing their thesis. This presentation will be attended by the student's Advisory Committee who will report their impressions and recommendations to the student.

4. An annual oral informal presentation of research work accomplished will be presented to the student's Advisory Committee.

5. The Graduate Program Committee has instituted a mentorship program by which each student will be matched with a specific member of the Committee. The Program Mentor ensures that the student, the supervisor(s) and other members of the Advisory Committee are aware of and meet key milestones, in a timely manner, throughout the course of the student's graduate study.

6. An M.Sc. student may be eligible to transfer to the Ph.D. program without submitting a master's thesis by taking the Transfer Seminar/Candidacy Exam. This exam is allowable if the master's CGPA is 3.3 or higher and if the student's Advisory Committee recommends the student as an appropriate candidate for Ph.D. studies. M.Sc. students who wish to pursue a Ph.D. degree, but who have not obtained the minimum 3.3 CGPA in their M.Sc. coursework while in the IPN, must submit a master's thesis and apply for the Ph.D. level afterwards.

7. All incoming students are required to take the workshops on Responsible Conduct of Research. These will be included as part of the milestones for annual progress reports.

section 22.11.12.5: Master of Science (M.Sc.); Neuroscience (Thesis) (45 credits)

The M.Sc. program offers opportunities to a wide diversity of individual interests and backgrounds, and prepares our students for scientific careers in the neuroscience and related fields. Programs leading to an M.Sc. degree require the completion of 45 credits of academic and research training. Applicants must hold an undergraduate degree, or its equivalent, from a recognized institution and must display an adequate background in basic sciences. Applicants are expected to have attained a high scholastic standing equal to, or greater than, the minimum cumulative grade point average (CGPA) of 3.3 (out of 4.0 at McGill University) in all levels of study.

section 22.11.12.6: Doctor of Philosophy (Ph.D.); Neuroscience

The IPN offers a highly competitive Ph.D. degree program that prepares students for successful, scientific careers in the field of neuroscience. Over half of the students registered in the neuroscience graduate program at McGill University are in the doctoral stream. Applicants must hold a graduate-level degree in a field related to neuroscience or have an M.D. degree, preferably with postgraduate training. Applicants will also be considered for admission if enrolled in the M.D.-Ph.D. program through the Faculty of Medicine at McGill University. Students currently registered in the Master's program in neuroscience may be permitted to transfer to the Ph.D. program without submitting a master's thesis. Applicants are expected to have attained a high scholastic standing equal to, or greater than, the minimum cumulative grade point average of 3.3 (out of 4.0 at McGill University) in all levels of study.
section 22.11.12.6: Doctor of Philosophy (Ph.D.); Neuroscience

In exceptional circumstances, students MAY enter the Ph.D. program directly from their undergraduate degree if a CGPA of 3.7 is attained and if the student already presents extensive research experience.

22.11.12.3 Neuroscience (Integrated Program in) Admission Requirements and Application Procedures

22.11.12.3.1 Admission Requirements

General

The applicant must be a university graduate and hold a bachelor's degree in a field related to the subject selected for graduate work. The applicant must present evidence of high academic achievement. A standing equivalent to a cumulative grade point average of 3.0 out of a possible 4.0 is required by Graduate and Postdoctoral Studies; however, the IPN prefers applicants to show a higher Academic Standing, and requires a minimum CGPA of 3.3.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit results of the TOEFL exam with their application and have a minimum score of 600 on the paper-based test (96 on the Internet-based test with each component score not less than 20).

M.Sc. Degree

Bachelor's degree with adequate background in basic sciences, or an M.D.

Ph.D. Degree

Applicants must hold a master's degree in a field related to neuroscience, or an M.D. degree with postgraduate training. Students currently registered in the master's program in neuroscience may be permitted to transfer to the Ph.D. program. Applicants are expected to have a high Academic Standing in their previous academic studies and research.

22.11.12.3.2 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. official transcripts;
3. two letters of reference;
4. CV and personal statement;
5. $100 application fee;
6. TOEFL test results.

All information is to be submitted to the address listed in section 22.11.12: Neuroscience (Integrated Program in).

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. To meet the diversity of individual interests and backgrounds, the graduate program for each student is designed at the time of entry. As part of the admission process, each applicant will identify, with the participation of the prospective thesis supervisor and the Graduate Studies Committee, a research thesis topic and the coursework required to complete the training deemed necessary for the degree sought. These decisions become an integral part of the graduation requirements for the student.

22.11.12.4 Neuroscience (Integrated Program in) Faculty

Director

J. Nalbantoglu

Associate Director

D. Ragsdale

Administrator

J. Makkerh

Emeritus Professors

B. Collier; Ph.D., Dept. of Pharmacology
### Emeritus Professors

M. Diksic; Ph.D., Dept. of Neurology and Neurosurgery
C. Thompson; D.Sc., F.C.C.P.M., Dept. of Neurology and Neurosurgery

### Professors

A. Aguayo; M.D.(Cordoba Natn.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
G. Almazan; B.Sc.(NeAthern), Ph.D.(McG.), Dept. of Pharmacology and Therapeutics
E. Andermann; M.D.,C.M., M.Sc., Ph.D.(McG.), F.C.C.M., Dept. of Neurology and Neurosurgery
F. Andermann; B.A.(Paris), B.Sc.(McG.), M.D.(Montr.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
J. Antel; M.D., B.Sc.(Manit.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
D. Arnold; B.Sc., M.D.(Cnll), F.R.C.P.(C) (James McGill Professor), Dept. of Neurology and Neurosurgery
M. Avoli; M.D.(Rome), Ph.D.(McG.), Dept. of Neurology and Neurosurgery
C. Baker; Ph.D.(Calif.), Dept. of Ophthalmology
P. Barker; Ph.D.(Alta.), B.Sc.(S. Fraser), Dept. of Neurology and Neurosurgery
S. Baum; Ph.D.(Brown), School of Communication Sciences and Disorders
G. Bennett; Ph.D.(Virg. Commonwealth), Dept. of Anaesthesia
P. Boksa; Ph.D.(McG.), Dept. of Psychiatry
C. Bourque; B.Sc.(Ott.), Ph.D.(McG.), Dept. of Neurology and Neurosurgery
P. Braun; Ph.D.(Calif., Berk.), Dept. of Biochemistry
C. Bushnell; Ph.D.(Amer.), Dept. of Anaesthesia
S. Carbonetto; M.Sc.(Mass.), Ph.D.(N. Carolina), Dept. of Neurology and Neurosurgery
F. Cervero; M.D., Ph.D.(Madrid), D.Sc.(Edin.), Dept. of Anaesthesia
H. Chertkow; M.D.(W. Ont.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
P. Clarke; Ph.D.(Lond.), Dept. of Pharmacology and Therapeutics
D. Colman; Ph.D.(SUNY), Dept. of Neurology and Neurosurgery
C. Cuello; M.D., M.A., D.Sc.(Oxf.), Dept. of Pharmacology and Therapeutics
K. Cullen; Ph.D.(Chic.), Dept. of Physiology
S. David; Ph.D.(Manit.), Dept. of Neurology and Neurosurgery
R. Del Maestro; M.D.(W. Ont.), Ph.D.(Uppssala), F.R.C.S.(C), D.A.B.N.S., F.A.C.S., Dept. of Neurology and Neurosurgery
R.J. Dunn; B.Sc., Ph.D.(Br. Col.), Dept. of Neurology and Neurosurgery
H. Durham; M.Sc.(W. Ont.), Ph.D.(Alta.), Dept. of Neurology and Neurosurgery
S. El Mestikawy; Ph.D.(Univ. Pierre et Marie Curie), Dept. of Psychiatry
A. Evans; M.Sc.(Sur.), Ph.D.(Leeds), Dept. of Neurology and Neurosurgery
C. Flores; Ph.D.(C’dia), Dept. of Psychiatry
E. Frombonne; M.D.(Paris V), M.Sc.(Paris), Dept. of Psychiatry
S.G. Gauthier; B.A., M.D.(Montr.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
B. Giros; Ph.D.(Paris), Dept. of Psychiatry
J. Gotman; M.Eng.(Dart.), Ph.D.(McG.), Dept. of Neurology and Neurosurgery
A. Gratton; Ph.D.(C’dia), Dept. of Psychiatry
J. Grodzinsky; Ph.D.(Brandeis), Dept. of Linguistics
D. Guittton; Dipl. IVK(Univ. Libre de Brux.), B.Eng., M.Eng., Ph.D.(Eng.), Ph.D.(Physiol.)(McG.), Dept. of Neurology and Neurosurgery
D. Haegert; M.D.(Br. Col.), F.R.C.P.(C), Dept. of Pathology
### Professors

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Department</th>
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</thead>
<tbody>
<tr>
<td>E. Hamel</td>
<td>B.Sc.(Sher.), Ph.D.(Montr.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>K. Hastings</td>
<td>B.Sc., Ph.D.(McG.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>R. Hess</td>
<td>Ph.D.(Melb.), D.Sc.(Aston, UK)</td>
<td>Dept. of Ophthalmology</td>
</tr>
<tr>
<td>P.C. Holland</td>
<td>B.A.(Lanc.), Ph.D.(Newcastle, UK)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>B. Jones</td>
<td>B.A., M.A., Ph.D.(Delaware)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>M. Jones-Gotman</td>
<td>B.A.(Calif.), M.A., Ph.D.(McG.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>F. Kingdom</td>
<td>Ph.D.(Reading)</td>
<td>Dept. of Ophthalmology</td>
</tr>
<tr>
<td>P. Lachapelle</td>
<td>Ph.D.(Montr.)</td>
<td>Dept. of Ophthalmology</td>
</tr>
<tr>
<td>N. Lamarche</td>
<td>Ph.D.(Montr.)</td>
<td>Dept. of Anatomy and Cell Biology</td>
</tr>
<tr>
<td>A. LeBlanc</td>
<td>M.Sc.(Moncton), Ph.D.(Dal.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>M. Levine</td>
<td>Ph.D.(P.T.)(McG.)</td>
<td>School of Physical and Occupational Therapy</td>
</tr>
<tr>
<td>D. Maysinger</td>
<td>M.Sc.(Calif.-LA), Ph.D.(Calif.-LA)</td>
<td>Dept. of Pharmacology and Therapeutics</td>
</tr>
<tr>
<td>M.J. Meaney</td>
<td>B.A.(Loyola), M.A., Ph.D.(C'dia.)</td>
<td>Dept. of Psychiatry</td>
</tr>
<tr>
<td>T.E. Milner</td>
<td>B.Sc., Ph.D.(Alta.)</td>
<td>Dept. of Kinesiology and Physical Education</td>
</tr>
<tr>
<td>J. Mogil</td>
<td>Ph.D.(Calif.-LA)</td>
<td>Dept. of Psychology</td>
</tr>
<tr>
<td>K. Mullen</td>
<td>Ph.D.(Camb.)</td>
<td>Dept. of Ophthalmology</td>
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<tr>
<td>A. Olivier</td>
<td>M.D.(Montr.), Ph.D.(Laval), F.R.C.S.(C)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>D.J. Ostry</td>
<td>B.A.Sc., M.A.Sc., Ph.D.(Tor.)</td>
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<tr>
<td>O. Overbury</td>
<td>Ph.D.(C’dia)</td>
<td>Dept. of Ophthalmology</td>
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<td>M. Petrides</td>
<td>B.Sc., M.Sc.(Lond.), Ph.D.(Cant.)             (James McGill Professor)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>G. Plourdes</td>
<td>M.D.(Laval), M.Sc.(Ott.)</td>
<td>Dept. of Anaeesthesia</td>
</tr>
<tr>
<td>J. Poirier</td>
<td>Ph.D.(Montr.)</td>
<td>Dept. of Psychiatry and Medicine</td>
</tr>
<tr>
<td>A. Ptito</td>
<td>Ph.D.(Montr.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>R. Quirion</td>
<td>B.Sc., M.Sc., Ph.D.(Sher.)</td>
<td>Dept. of Psychiatry</td>
</tr>
<tr>
<td>M. Rasinsky</td>
<td>B.A.(Tor.), M.D.(Harv.), Ph.D.(Lond.), F.R.C.P.(C)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>A. Ribeiro-da-Silva</td>
<td>M.D.(Porto), Ph.D.(Porto)</td>
<td>Dept. of Pharmacology and Therapeutics</td>
</tr>
<tr>
<td>R.J. Riopelle</td>
<td>M.D.(Ott.), F.R.C.P.(C)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>A. Sadikot</td>
<td>M.D., C.M.(McG.), Ph.D.(Laval), F.R.C.S.(C)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>H.U. Saragovi</td>
<td>Ph.D.(Miami)</td>
<td>Dept. of Pharmacology and Therapeutics</td>
</tr>
<tr>
<td>H. Schipper</td>
<td>M.D., Ph.D.(McG.), F.R.C.P.(C)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>P. Seguela       Doct. 3e Cycle(Bord.), Ph.D.(Montr.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
<td></td>
</tr>
<tr>
<td>M. Shevell</td>
<td>B.Sc., M.D.(Vanderbilt)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>E. Shoubridge</td>
<td>M.Sc., Ph.D.(Br. Col.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>W. Sossin</td>
<td>B.S.(MIT), Ph.D.(Stan.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>L. Srivastava</td>
<td>Ph.D.(New Delhi)</td>
<td>Dept. of Psychiatry</td>
</tr>
<tr>
<td>S. Stifani</td>
<td>Ph.D.(Rome), Ph.D.(Alta.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>M. Sullivan</td>
<td>B.A.(McG.), M.A., Ph.D.(C’dia)</td>
<td>Dept. of Psychology</td>
</tr>
<tr>
<td>G. Tannenbaum</td>
<td>M.Sc., Ph.D.(McG.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>G. Turecki</td>
<td>M.D.(Brazil), Ph.D.(McG.)</td>
<td>Dept. of Psychiatry</td>
</tr>
</tbody>
</table>
Professors
C.-D. Walker; Ph.D.(Geneva), Dept. of Psychiatry
C. Wolfson; Ph.D.(McG.), Dept. of Epidemiology and Biostatistics
R.J. Zatorre; A.B.(Boston), M.Sc., Ph.D.(Brown), Dept. of Neurology and Neurosurgery

Associate Professors
J. Armony; Ph.D.(NYU), Dept. of Psychiatry
A. Bar-Or; M.D.,C.M.(McG.), F.R.C.P.(C), D.A.B.N.P., Dept. of Neurology and Neurosurgery
S. Beaulieu; M.D., Ph.D., F.R.C.P.(C), Dept. of Psychiatry
D. Bernard; Ph.D.(Johns Hop.), Dept. of Pharmacology
A. Bernasconi; M.D.(Basel), Dept. of Neurology and Neurosurgery
V. Bobbot; Ph.D.(Ariz.), Dept. of Psychiatry
D. Boivin; M.D.(Laval), Ph.D.(Montr.), Dept. of Psychiatry
D. Bowie; Ph.D.(Lond.), Dept. of Pharmacology and Therapeutics
A. Brunet; Ph.D.(Montr.), Dept. of Psychiatry
M. Cayouette; M.Sc.(Laval), Ph.D.(Laval), Depts. of Anatomy and Cell Biology, Biology, and Experimental Medicine
N. Cermakian; Ph.D.(Montr.), Dept. of Psychiatry
J.-F. Cloutier; B.Sc.(C'dia), Ph.D.(Montr.), Dept. of Neurology and Neurosurgery
T. Coderre; Ph.D.(McG.), Dept. of Anaesthesia
L. Collins; M.Eng., Ph.D.(McG.), Dept. of Neurology and Neurosurgery
A. Dagher; M.Eng.(McG.), M.D.(Tor.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
S. Daniel; M.D.,C.M., M.Sc.(McG.), Dept. of Otolaryngology
B. Debruelle; M.D.(Paris XI), Ph.D.(Univ. Pierre et Marie Curie, Paris), Dept. of Psychiatry
L. Fellows; B.Sc.(McG.), D.Phil.(Oxf.), M.D.,C.M.(McG.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
E. Fon; M.D.(Montr.), F.R.C.P.(C), Dept. of Neurology and Neurosurgery
A. Fournier; B.Sc., Ph.D.(McG.), Dept. of Neurology and Neurosurgery
G. Gobbi; M.D.(Rome), Ph.D.(Calg.), Dept. of Psychiatry
I. Gold; Ph.D.(Princ.), Dept. of Psychiatry
V. Gracco; Ph.D.(Wisc.), School of Communication Sciences and Disorders
R. Joober; M.D.(Tunisia), Ph.D.(McG.), Dept. of Psychiatry
A. Kania; Ph.D.(Baylor), Depts. of Biology, Anatomy and Cell Biology, and Experimental Medicine
T. Kennedy; B.Sc.(McM.), Ph.D.(Col.), Dept. of Neurology and Neurosurgery
A. Lamontagne; Ph.D.(Laval), School of Physical and Occupational Therapy
M. Leyton; M.A., Ph.D.(C'dia), Dept. of Psychiatry
G. Luheshi; Ph.D.(Newcastle, UK), Dept. of Psychiatry
A. McKinney; Ph.D.(Ulster), Dept. of Pharmacology and Therapeutics
K. Murai; Ph.D.(Calif.), Dept. of Neurology and Neurosurgery
K. Nader; B.Sc., Ph.D.(Tor.), Dept. of Psychology
J. Nalbantoglu; B.Sc., Ph.D.(McG.), Dept. of Neurology and Neurosurgery
H. Paudel; Ph.D.(Okla.), M.Sc.(Nepal), Dept. of Neurology and Neurosurgery
M. Pell; B.A.(Ott.), M.Sc., Ph.D.(McG.), School of Communication Sciences and Disorders
A. Peterson; B.Sc.(Vic., BC), Ph.D.(Br. Col.), Dept. of Neurology and Neurosurgery
J.C. Pruessner; Ph.D.(Trier), Depts. of Psychiatry, Psychology, Neurology, and Neurosurgery
### Associate Professors

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualifications</th>
<th>Departments</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. Ragsdale</td>
<td>B.S.(Ill.), Ph.D.(Calif.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>N. Rajah</td>
<td>Ph.D.(Tor.), Dept. of Psychiatry</td>
<td></td>
</tr>
<tr>
<td>Y. Rao</td>
<td>B.Sc.(China), Ph.D.(Tor.)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>A. Raz</td>
<td>M.Sc., Ph.D.(Hebrew)</td>
<td>Dept. of Psychiatry</td>
</tr>
<tr>
<td>J. Rochford</td>
<td>Ph.D.(C’dia), Dept. of Psychiatry</td>
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<tr>
<td>B. Rosenblatt</td>
<td>B.S., M.D.,C.M.(McG.), F.R.C.P.(C)</td>
<td>Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>R. Schirrmacher</td>
<td>Ph.D.(Mainz), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>A. Thiel</td>
<td>Ph.D.(Cologne), M.D.(Bonn)</td>
<td>Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>D. Van Meyel</td>
<td>Ph.D.(W. Ont.), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>B. Williams</td>
<td>Ph.D.(Montr.), Dept. of Psychiatry</td>
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</table>

### Assistant Professors

<table>
<thead>
<tr>
<th>Name</th>
<th>Qualifications</th>
<th>Departments</th>
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<tbody>
<tr>
<td>A. Adamantidis</td>
<td>M.Sc., Ph.D.(Liege)</td>
<td>Dept. of Psychiatry</td>
</tr>
<tr>
<td>B. Bedell</td>
<td>B.S.(Leigh), M.D.,C.M.(McG.), Ph.D.(Texas)</td>
<td>Dept. of Neurology and Neurosurgery</td>
</tr>
<tr>
<td>F. Bedford</td>
<td>Ph.D.(Lond.), Dept. of Anatomy and Cell Biology</td>
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<tr>
<td>M. Brodeur</td>
<td>Ph.D.(McM.), Dept. of Psychiatry</td>
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<tr>
<td>B. Chen</td>
<td>Ph.D.(SUNY), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>C. Flores</td>
<td>Ph.D.(C’dia), Dept. of Psychiatry</td>
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<tr>
<td>R. Gruber</td>
<td>Ph.D.(Tel Aviv), Dept. of Psychiatry</td>
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<tr>
<td>P. Haghighi</td>
<td>Ph.D.(McG.), Dept. of Physiology</td>
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<tr>
<td>F. Jollant</td>
<td>M.D., M.Sc., Ph.D.(France), Dept. of Psychiatry</td>
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<tr>
<td>D. Juncker</td>
<td>Dipl., Ph.D.(Neuchâtel), Dept. of Biomedical Engineering</td>
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<tr>
<td>D. Klein</td>
<td>B.A., Ph.D.(Witw./S. Af.), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>E. Kobayashi</td>
<td>M.D., Ph.D.(Campinas State), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>L. Koski</td>
<td>B.Sc.(Tor.), Ph.D.(McG.), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>N. Ladbon-Bernasconi</td>
<td>M.D.(Lausanne), Ph.D.(McG.), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>A. Lamontagne</td>
<td>Ph.D.(Laval), School of Physical and Occupational Therapy</td>
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<tr>
<td>G. Leonard</td>
<td>Ph.D.(McG.), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>C. Limperopoulos</td>
<td>B.Sc., M.Sc., Ph.D.(McG.), Dept. of Neurology and Neurosurgery</td>
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<td>W. Ma</td>
<td>M.D.(Tongji), M.Sc., Ph.D.(McG.), Dept. of Psychiatry</td>
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<td>N. Mechawar</td>
<td>Ph.D.(Montr.), Dept. of Psychiatry</td>
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<tr>
<td>C. Pack</td>
<td>B.Sc.(Tufts), Ph.D.(Boston), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>K. Petrecca</td>
<td>B.Sc., M.D., Ph.D.(McG.), Dept. of Neurology and Neurosurgery</td>
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<td>J. Pruessner</td>
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<td>E. Ruthazer</td>
<td>A.B.(Princ.), Ph.D.(Calif.-San Francisco), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>P. Schweinhardt</td>
<td>M.D.(Heidelberg), Ph.D.(Oxf.), Depts. of Dentistry, Neurology and Neurosurgery</td>
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<tr>
<td>A. Shmuel</td>
<td>B.Med., M.Sc.(Hebrew), Ph.D.(Weizmann Institute of Science), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>K. Steinhauer</td>
<td>M.Sc., Ph.D.(Dr rer nat)(Free Univ., Berlin), School of Communication Sciences and Disorders</td>
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<tr>
<td>D. Stellwagen</td>
<td>B.Sc.(Brown), Ph.D.(Calif.), Dept. of Neurology and Neurosurgery</td>
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<tr>
<td>L. Stone</td>
<td>Ph.D.(Minn.), Dept. of Dentistry</td>
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<tr>
<td>K.-F. Storch</td>
<td>Ph.D.(Max Planck), Dept. of Psychiatry</td>
<td></td>
</tr>
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</table>
Assistant Professors
T. Stroh; Dip.(J. Liebig U.), Ph.D.(Max Planck), Dept. of Neurology and Neurosurgery
V. Sziklas; Ph.D.(McG.), Dept. of Neurology and Neurosurgery
T. Taivassalo; B.Sc., Ph.D.(McG.), Dept. of Kinesiology and Physical Education
D. Van Meyel; Ph.D.(W. Ont.), Dept. of Neurology and Neurosurgery
M. Vollrath; Ph.D.(Baylor), Dept. of Neurology and Neurosurgery
P. Wintermark; M.D.(McG.), Dept. of Pediatrics
T.P. Wong; Ph.D.(McG.), Dept. of Psychiatry
J. Zhang; M.D.(Shanghai II Medical U.), M.Sc.(Paris XI), Ph.D.(Laval), Dept. of Neurology and Neurosurgery

Lecturer
S. Antel

Adjunct Professors
L. Descarries, G. Duncan, M. Ptito, E. Racine

22.11.12.5 Master of Science (M.Sc.); Neuroscience (Thesis) (45 credits)

Thesis Courses
Any remaining credits needed to complete the minimum of 45 may be chosen from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>NEUR 695</td>
<td>(3)</td>
<td>Master's Thesis Research 1</td>
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<tr>
<td>NEUR 696</td>
<td>(6)</td>
<td>Master's Thesis Research 2</td>
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Required Courses (33 credits)

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<th>Course</th>
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<tr>
<td>NEUR 697</td>
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<td>Master's Project Proposal</td>
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<td>NEUR 698</td>
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<td>Master's Seminar Presentation</td>
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<td>NEUR 699</td>
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<td>Master's Thesis Submission</td>
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and one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>NEUR 610</td>
<td>(5)</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>NEUR 630</td>
<td>(3)</td>
<td>Principles of Neuroscience 1</td>
</tr>
<tr>
<td>NEUR 631</td>
<td>(3)</td>
<td>Principles of Neuroscience 2</td>
</tr>
</tbody>
</table>

Complementary Courses (6 credits)
6 credits in other graduate-level specialty courses relevant to the program.
Upon recommendation, depending upon their particular background and needs, students may be requested to take additional selected courses.

Note: All M.Sc.-level students must register for a minimum of 12 credits per term during the first three terms of their master's program.

22.11.12.6 Doctor of Philosophy (Ph.D.); Neuroscience

Students with an M.Sc. degree continuing in this Department will receive credit exemptions for graduate coursework accomplished (including NEUR 630, and either NEUR 631 or NEUR 610). It may be recommended that they take specialty courses related to their field of study in neuroscience. Students with an M.Sc. degree from another program will be required to take NEUR 630 and NEUR 631 and/or other courses listed under the M.Sc. degree depending upon their background and field of study.

Students with an M.D. degree proceeding directly into a Ph.D. program will be required to take NEUR 630 and NEUR 631. Recently graduated M.D.s should have the equivalent of NEUR 610, and may be granted equivalence. They will also be required to take 6 credits of graduate-level courses.
Thesis

Required Courses (3 credits)
Note: A student may receive an exemption if the student can display equivalency for NEUR 630.

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>NEUR 630</td>
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<td>Principles of Neuroscience 1</td>
</tr>
<tr>
<td>NEUR 700</td>
<td>(0)</td>
<td>Doctoral Candidacy Examination</td>
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Complementary Courses (11 credits)
(9-11 credits)
Note: A student may receive exemptions if the student can display equivalencies for NEUR 631 and NEUR 610.

Must take one of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEUR 610</td>
<td>(5)</td>
<td>Central Nervous System</td>
</tr>
<tr>
<td>NEUR 631</td>
<td>(3)</td>
<td>Principles of Neuroscience 2</td>
</tr>
</tbody>
</table>

Two courses at the 500, 600, or 700 level, approved by the graduate program adviser.

22.11.13 Occupational Health

22.11.13.1 Location

Department of Epidemiology, Biostatistics and Occupational Health
Purvis Hall
1020 Pine Avenue West
Montreal, QC H3A 1A2
Canada

Website: www.mcgill.ca/occh

M.Sc.(A.) (Resident) and Ph.D. programs:

Telephone: 514-398-6258
Email: graduate.eboh@mcgill.ca

M.Sc.(A.) (Distance Education) program:

Telephone: 514-398-6989
Email: distance.occh@mcgill.ca
Website: www.mcgill.ca/occh/programs/distance

22.11.13.2 About Occupational Health

The Department of Occupational Health offers two graduate degree programs: a doctorate (Ph.D.) and master (M.Sc.(A.)) in occupational health sciences. The master’s program is available on campus or in distance education format. Special student status may be granted to students who wish to take only specific courses from our M.Sc. program. There is a maximum of 12 credits overall, with a maximum of 6 credits per semester.

Students are required to have access to a computer and the Internet as some of the course material is most readily available by accessing the web.

section 22.11.13.5: Master of Science, Applied (M.Sc.A.); Occupational Health (Resident) (Non-Thesis) (45 credits)

A one-year program in health and hygiene appropriate for physicians, nurses, graduates from engineering, and basic sciences. Occupational health training allows candidates to evaluate work environments and attenuate work hazards using prevention and control.

section 22.11.13.6: Master of Science, Applied (M.Sc.A.); Occupational Health (Distance) (Non-Thesis) (45 credits)

A three-and-a-half-year program completed mostly over the Internet. This program is not accepting applicants for 2011-2012.
section 22.11.13.7: Doctor of Philosophy (Ph.D.); Occupational Health

The objective of this program is to train independent researchers in the field of work environment and health.

22.11.13.3 Occupational Health Admission Requirements and Application Procedures

22.11.13.3.1 Admission Requirements

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English by appropriate exams, e.g., TOEFL (Test of English as a Foreign Language) with a minimum score of 550, or 86 on the Internet-based test with each component score not less than 20.

M.Sc. Applied Program (Resident) (on campus)

Candidates should have completed, with a standing equivalent to a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0, one of the requisites below:

- a bachelor of science degree or its equivalent, in a discipline relevant to occupational health or hygiene such as: chemistry, engineering, environmental sciences, physics;
- an M.D. (medicine);
- a B.Sc. in health sciences or nursing.

Distance Education

Candidates should have completed, with a standing equivalent to a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0, one of the requisites below:

- an M.D. (medicine);
- a B.Sc. in health sciences or nursing;
- a bachelor of science degree, or its equivalent, in a discipline relevant to occupational health or hygiene such as: chemistry, engineering, environmental sciences, physics.

Candidates should have at least three years of experience in industrial hygiene and/or in safety.

For medical doctors and nurses, priority will be given to candidates with at least three years of experience in occupational health.

Ph.D. Program

Candidates must hold an M.Sc. degree or its equivalent in occupational health sciences, or in a relevant discipline, such as: community health, environmental health, epidemiology, chemistry, engineering, physics, or health sciences (medicine, nursing, etc.).

22.11.13.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

Note: We are not willing to consider any applications to be admitted for the Winter/Summer term.

Application forms are available online at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

Resident (on campus)

Candidates must submit with their application: two official copies of their university transcripts, two letters of reference, a copy of their curriculum vitae and a letter describing their background (occupational health, occupational hygiene, worker safety, etc.) as well as a CAD$100 application fee.

Eligible candidates may be invited for an interview with members of the Admissions Committee of the Department.

Applications are considered for Fall term only. We are not willing to consider any applications to be admitted for the Winter/Summer term.

Distance Education

Candidates must submit with their application: two official transcripts from their university of graduation, two letters of recommendation, a copy of their résumé, a letter describing their career plan, the reasons for their enrolment, and how they plan to accommodate their study time within their work schedule as well as a CAD$100 application fee.

Students are required to have access to a computer and the Internet as the course material is available through the web.

Ph.D. Program

Candidates must submit with their application: two official copies of their university transcripts (undergraduate and graduate), two letters of reference (or completed special forms), a copy of their curriculum vitae and a letter describing their field of interest as well as a CAD$100 application fee.

Candidates must also submit with their application an outline of their scientific interests, indicating the field and the topic of their proposed research. Each student will be assigned to one academic staff member of the Department, who will act as his/her supervisor, and who will guide him/her in the preparation of a definite research protocol.
### 22.11.13.4 Occupational Health Faculty

#### Chair
R. Fuhrer

#### Emeritus Professors
M.R. Becklake; M.B.B.Ch., M.D.(Witw.), F.R.C.P.
A. Lippman; B.A.(C'nell), Ph.D.(McG.)
J.C. McDonald; M.D., B.S.(Lond.), M.Sc.(Harv.), F.R.C.P.(C)
I.B. Pless; B.A., M.D.(W. Ont.)
G. Thériault; M.D.(Laval), M.I.H., Dr.P.H.(Harv.)

#### Professors Post-Retirement
A. Lippman; B.A.(C'nell), Ph.D.(McG.)
I.B. Pless; B.A., M.D.(W. Ont.)
G. Thériault; M.D.(Laval), M.I.H., Dr.P.H.(Harv.)

#### Professors
M. Abrahamowicz; Ph.D.(Cracow) (*James McGill Professor*)
J.F. Boivin; M.D.(Laval), S.M., Sc.D.(Harv.)
J. Brophy; B.Eng.(McG.), M.Eng., M.D.(McM.), Ph.D.(McG.) (*joint appt. with Medicine*)
E.L.F. Franco; M.P.H., Dr.P.H.(Chapel Hill) (*joint appt. with Oncology*) (*James McGill Professor*)
R. Fuhrer; B.A.(CUNY (Brooklyn College)), M.Sc., Ph.D.(Calif.-San Francisco)
T.W. Gyorkos; B.Sc.(McG.), M.Sc.(Bishop's), Ph.D.(McG.)
J.A. Hanley; B.Sc., M.Sc.(NUI), Ph.D.(Wat.) (*on leave Winter 2012 and Winter 2013*)
J. Heymann; B.A.(Yale), M.P.H., M.D.(Harv.) (*joint appt. with Political Science*) (*Canada Research Chair*)
C. Infante-Rivard; M.D.(Montr.), M.P.H.(Calif.-LA), Ph.D.(McG.), F.R.C.P.(C) (*James McGill Professor*)
L. Joseph; M.Sc., Ph.D.(McG.)
J. McCusker; M.D.,C.M.(McG.), M.P.H., Ph.D.(Col.)
R. Menzies; M.D.,C.M., M.Sc.(McG.) (*joint appt. with Medicine*)
O.S. Miettinen; M.D.(Helsinki), M.P.H., M.S., Ph.D.(Minn.)
G. Paradis; M.D.(Montr.), M.Sc.(McG.)
R.W. Platt; M.Sc.(Man.), Ph.D.(Wash.) (*joint appt. with Pediatrics*)
S.H. Shapiro; B.S.(Bucknell), M.S., Ph.D.(Stan.)
S. Sussia; M.Sc.(McG.), Ph.D.(Flor.) (*joint appt. with Medicine*) (*James McGill Professor*)
R. Tamblyn; M.Sc.(McM.), Ph.D.(McG.) (*joint appt. with Medicine*) (*James McGill Professor*)
C. Wolfson; B.Sc., M.Sc., Ph.D.(McG.) (*joint appt. with Medicine*)

#### Associate Professors
O. Basso; Ph.D.(Milan) (*joint appt. with Obstetrics & Gynecology*)
D. Buckeridge; M.D.(Qu.), M.Sc.(Tor.), Ph.D.(Stan.) (*Canada Research Chair*)
Associate Professors

A. Ciampi; M.Sc., Ph.D.(Qu.), Ph.D.(Rome)
N. Dendukuri; M.Sc.(Indian I.T.), Ph.D.(McG.) (PT) (joint appt. with Medicine)
C. Greenwood; B.Sc.(McG.), M.Sc.(Wat.), Ph.D.(Tor.) (joint appt. with Oncology)
P. Héroux; B.Sc.(Laval), M.Sc., Ph.D.(I.N.R.S.)
J. Kaufman; B.A.(Johns Hop.), Ph.D.(Mich.)
A. Manges; B.A.(Col.), M.P.H., Ph.D.(Calif., Berk.)
M. Pai; M.B.B.S.(Stanley Medical College), M.D.(Christian Medical College), Ph.D.(Calif., Berk.)
J. Pickering; B.A.(Tor.), M.D., M.Sc.(McG.) (joint appt. with Medicine)
A. Quesnel-Vallee; B.A., M.Sc.(Montr.), M.A., Ph.D.(Duke) (joint appt. with Sociology)
M. Rossignol; B.Sc., M.D.(Sher.), M.Sc.(McG.), F.R.C.P.(C)
P. Tousignant; B.A., M.D.(Laval), M.Sc.(McG.), F.R.C.P.(C) (PT)

Assistant Professors

A. Adrien; M.D., M.Sc.(McG.)
J. Atherton; M.Sc.(MIT), Ph.D.(McG.)
A. Benedetti; B.Sc., M.Sc., Ph.D.(McG.) (joint appt. with Medicine)
J. Cox; B.Sc., B.A., M.D.(Dal.), M.Sc.(McG.), C.C.F.P., F.R.C.P.(C) (joint appt. with Family Medicine)
S. Harper; B.A.(Westminster), M.S.P.H.(S. Carolina), Ph.D.(Mich.)
A. Labbe; M.Sc.(Montr.), Ph.D.(Wat.) (joint appt. with Psychiatry)
S. Martin; M.D.(Tor.), M.Sc.(McG.) (PT)
E.E.M. Moodie; B.A.(Winn.), Ph.D.(Wash.)
A. Nandi; B.S.(College of New Jersey), M.P.H.(Col.), Ph.D.(Johns Hop.) (joint appt. with Institute for Health & Social Policy)
L. Patry; B.Sc., M.D.(Laval), F.R.C.P.(C) (PT)
E. Strumpf; B.A.(Smith), Ph.D.(Harv.) (joint appt. with Economics)
G. Tan; D.Phil.(Oxf.) (PT)

Associate Members

Biomedical Ethics Unit: N. King
Dietetics and Human Nutrition: K. Gray-Donald
Dentistry: P. Allison, J. Feine
Family Medicine: A. Andermann, J. Haggerty, T. Tannenbaum
Geography: N. Ross
Ob/Gyn: H. Abenhaim, R. Gagnon
Pathology: B. Case
Pediatrics: G. Dougherty, B. Foster, C. Quach-Thanh
Physical & Occupational Therapy: S. Ahmed
Psychiatry: E. Latimer, A. Malla, N. Schmitz, B. Thombs

Lecturers

J.P. Gauvin, W. Wood
### Adjunct Professors

- **Asociación Civil Selva Amazonica Peru**: M. Casapia  
- **Caro Research**: J. Caro  
- **Direction régionale de la santé publique**: R. Allard, M. Baillargeon, R. Lessard, E. Robinson  
- **Harvard Univ.**: J. Brownstein  
- **Hôpital Sacré-Cœur**: D. Gautrin  
- **Independent**: I. Arnold, M.A. Lavoie, J. Lemke, M. Schweigert, L. Scott  
- **INSPQ**: F. Richer, P. Robillard, S. Stock  
- **Montreal Chest Hospital Centre**: P. Rohan  
- **Mount Sinai**: M. Baltzan  
- **Stabilis**: P. Simon  
- **Univ. de Montréal**: R. Massé, J. Siemiatycki  
- **Univ. of S. Australia**: J. Lynch

### 22.11.13.5 Master of Science, Applied (M.Sc.A.); Occupational Health (Resident) (Non-Thesis) (45 credits)

#### Research Project (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCCH 699</td>
<td>15</td>
<td>Project Occupational Health and Safety</td>
</tr>
</tbody>
</table>

#### Required Courses (30 credits)

Note: Students must pass the Master's Integrative Examination (OCCH 600) before writing their Project.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCCH 600</td>
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<td>Master's Integrative Exam</td>
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<tr>
<td>OCCH 602</td>
<td>3</td>
<td>Occupational Health Practice</td>
</tr>
<tr>
<td>OCCH 603</td>
<td>3</td>
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<tr>
<td>OCCH 604</td>
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<td>Monitoring Occupational Environment</td>
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<tr>
<td>OCCH 605</td>
<td>6</td>
<td>Physical Health Hazards</td>
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<td>OCCH 608</td>
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<td>Biological Hazards</td>
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<tr>
<td>OCCH 612</td>
<td>3</td>
<td>Principles of Toxicology</td>
</tr>
<tr>
<td>OCCH 614</td>
<td>3</td>
<td>Topics in Occupational Health</td>
</tr>
<tr>
<td>OCCH 615</td>
<td>3</td>
<td>Occupational Safety Practice</td>
</tr>
<tr>
<td>OCCH 616</td>
<td>3</td>
<td>Occupational Hygiene</td>
</tr>
</tbody>
</table>

### 22.11.13.6 Master of Science, Applied (M.Sc.A.); Occupational Health (Distance) (Non-Thesis) (45 credits)

This program is not accepting applicants for 2011-2012.

#### Research Project (15 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCCH 699</td>
<td>15</td>
<td>Project Occupational Health and Safety</td>
</tr>
</tbody>
</table>

#### Required Courses (30 credits)

Note: Students must pass the Master's Integrative Examination (OCCH 600) before writing their Project. Each course has a final (proctored) examination at the end of the term.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCCH 600</td>
<td>0</td>
<td>Master's Integrative Exam</td>
</tr>
<tr>
<td>OCCH 602</td>
<td>3</td>
<td>Occupational Health Practice</td>
</tr>
</tbody>
</table>
On-campus practicum may be held at the discretion of each professor. These sessions are held in Montreal on the McGill University campus. Their aim is to offer students additional specific learning activities. Participation in the practicum is an essential component of the program.

22.11.13.7 Doctor of Philosophy (Ph.D.); Occupational Health

Thesis

Required Courses (2 credits)

- OCCH 700 (0) Ph.D. Comprehensive Examination
- OCCH 706 (2) Ph.D. Seminar on Occupational Health and Hygiene

Students are encouraged to take up to 12 credits in areas pertinent to their specialty or in areas necessary to complete their knowledge of occupational health.

22.11.14 Otolaryngology – Head and Neck Surgery

22.11.14.1 Location

Department of Otolaryngology – Head and Neck Surgery
Royal Victoria Hospital
687 Pine Avenue West, Room E3-37
Montreal, QC H3A 1A1
Canada

Telephone: 514-843-2820
Fax: 514-843-1403
Website: www.mcgill.ca/ent

22.11.14.2 About Otolaryngology – Head and Neck Surgery

The Master of Science degree in Otolaryngology trains otolaryngologists and physicians for clinical or basic science research in Otolaryngology – Head and Neck Surgery. Master's programs can include research on normal function and disease of head and neck structures: otology, neuro-otology, laryngology, rhinology, oncology, surgery, auditory-vestibular sciences, middle-ear modeling, oto-toxicity, genomics, infection, thyroid disease, or genetics.

section 22.11.14.5: Master of Science (M.Sc.); Otolaryngology (Thesis) (45 credits)

The master's program is intended for otolaryngologists or for physicians with a strong interest in otolaryngology research. Under exceptional circumstances, others (Ph.D.s, dentists, veterinarians, medical professionals, etc.) may be considered. The program addresses research questions using an interdisciplinary approach, combining methodologies of both the clinical sciences and the basic sciences. The Master's program is unique in Canada and rare elsewhere.
Medical professionals graduating from the program can better treat ear-nose-throat diseases; they are better positioned to do, and to evaluate, research in otolaryngology. They typically obtain the most highly sought positions in their fields.

22.11.14.3 Otolaryngology Admission Requirements and Application Procedures

22.11.14.3.1 Admission Requirements

Admission to the M.Sc. program requires acceptance by a research supervisor, and the proposed program must be approved by the Departmental Research Committee.

Applicants should be otolaryngologists, or they should be currently enrolled in a residency program leading to certification in otolaryngology, or they should be physicians with a strong interest in otolaryngology research. Under exceptional circumstances, others (Ph.D.s, dentists, veterinarians, medical professionals, etc.) will be considered.

22.11.14.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Applications require the following documentation:

1. completed application form and personal statement form;
2. letters of reference from two professors;
3. two official copies of academic transcripts;
4. application fee: $100;
5. results of Test of English as a Foreign Language (TOEFL) (minimum of 550 on the paper-based test or 86 on the Internet-based test with each component score not less than 20) for applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone).

Prospective students should contact research supervisors individually.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

22.11.14.4 Otolaryngology – Head and Neck Surgery Faculty

Chair

S. Frenkiel

Emeritus Professor

J.D. Baxter; M.D.,C.M., M.Sc.(McG.), F.R.C.S.(C)

Professors

S. Frenkiel; B.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)
A. Katsarkas; M.D.(Thess.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)
M.D. Schloss; M.D.(Br. Col.), F.R.C.S.(C)
T.L. Tewfik; M.D.(Alex.), F.R.C.S.(C)

Associate Professors

M.J. Black; M.D.,C.M.(McG.), F.R.C.S.(C)
S. Daniel; M.D.,C.M.(McG.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)
M. Desrosiers; M.D.(Montr.), F.R.C.S.C.
N. Fanous; M.B., B.CH.(Cairo), F.R.C.S.(C)
M. Hier; M.D.,C.M.(McG.), F.R.C.S.(C)
K. Kost; M.D.,C.M.(McG.), F.R.C.S.(C)
J. Manoukian; M.B., Ch.B.(Alex.), F.R.C.S.(C)
W.H. Novick; M.D.(Qu.), F.R.C.S.(C)
**Associate Professors**

J. Rappaport; M.D.(Dal.), F.R.C.S.(C)
B. Segal; B.Sc., B.Eng., M.Eng., Ph.D.(McG.)
R.S. Shapiro; M.D.,C.M.(McG.), F.R.C.S.(C)
A.G. Zeitouni; M.D.(Sher.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)

**Assistant Professors**

F. Chagnon; M.D.,C.M.(McG.), F.R.C.S.(C)
I. Fried; M.D.(Dal.), F.R.C.S.(C)
A. Mlynarek; M.D.,C.M., M.Sc.(Otol.)(McG.), F.R.C.S.(C)
L. Nguyen; M.D.,C.M.(McG.), F.R.C.S.(C)
R. Payne; M.D.,C.M.(McG.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)
M. Samaha; M.D.(Qu.), M.Sc.(Otol.)(McG.), F.R.C.S.(C)
G. Sejean; M.D.(Beirut), F.R.C.S.(C)
R. Sweet; M.D.,C.M.(McG.)
L. Tarantino; M.D.(Naples), F.R.C.S.(C)
M. Tewfik; M.D.,C.M., M.Sc.(Otol.)(McG.), F.R.C.S.(C)

**Associate Members**

W.R.J. Funnell; B.Eng., M.Eng., Ph.D.(McG.)
H.L. Galiana; B.Eng., M.Eng., Ph.D.(McG.)
Q. Hamid; M.D.(Iraq), Ph.D.Med.(Lond.)
L. Mongeau; B.Sc., M.Sc.(Montr.), Ph.D.(Penn. St.)

**Lecturers**

A. Finesilver, J. Rothstein, J. Young

**Adjunct Professor**

J.-J. Dufour

**22.11.14.5 Master of Science (M.Sc.); Otolaryngology (Thesis) (45 credits)**

**Thesis Courses (30 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTOL 690</td>
<td>(3)</td>
<td>M.Sc. Thesis 1</td>
</tr>
<tr>
<td>OTOL 691</td>
<td>(3)</td>
<td>M.Sc. Thesis 2</td>
</tr>
<tr>
<td>OTOL 692</td>
<td>(6)</td>
<td>M.Sc. Thesis 3</td>
</tr>
<tr>
<td>OTOL 693</td>
<td>(6)</td>
<td>M.Sc. Thesis 4</td>
</tr>
<tr>
<td>OTOL 694</td>
<td>(12)</td>
<td>M.Sc. Thesis 5</td>
</tr>
</tbody>
</table>

**Required Courses (12 credits)**

When appropriate, courses OTOL 602, OTOL 612, OTOL 603 or OTOL 613 may be replaced by other Basic Science or Clinical (500, 600, or 700 level) courses of relevance to Otolaryngology, as recommended or approved by the Department.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTOL 602</td>
<td>(3)</td>
<td>Physiology, Histopathology and Clinical Otolaryngology 1</td>
</tr>
<tr>
<td>OTOL 603</td>
<td>(3)</td>
<td>Advanced Scientific Principles - Otolaryngology 1</td>
</tr>
<tr>
<td>OTOL 612</td>
<td>(3)</td>
<td>Physiology, Histopathology and Clinical Otolaryngology 2</td>
</tr>
</tbody>
</table>
Advanced Scientific Principles - Otolaryngology 2

Complementary Course
(3-4 credits)

EPIB 607 Inferential Statistics

or equivalent

Students aiming to acquire an interdisciplinary background will be expected to take additional elective courses, at the undergraduate level if necessary.

22.11.15 Pathology

22.11.15.1 Location
Department of Pathology
Duff Medical Building
3775 University Street
Montreal, QC H3A 2B4
Canada

Telephone: 514-398-7192 ext. 00481 or 00494
Fax: 514-398-7446
Email: pathologyteaching.med@mcgill.ca
Website: www.mcgill.ca/pathology

22.11.15.2 About Pathology
Pathology is the science of disease, and research in Pathology is focused on understanding the cellular and molecular changes that cause disease – generating knowledge that is essential in the development of new methods for prevention and treatment. Pathology is a multidisciplinary science, and laboratory techniques overlap those used in all current fields of biomedical investigation. We offer unique opportunities for graduate students to conduct fundamental biomedical research that is directly linked to patient care, working with teams of highly experienced investigators and clinicians. Our laboratories are located on the main campus and throughout the McGill network of hospitals and research institutes. Our investigators collaborate with basic scientists from a variety of other departments, and we also undertake collaborative studies with colleagues in academic institutions around the world. Graduate students take part in joint clinical-experimental presentations involving our 48 faculty members, gaining a broad exposure to current issues in diagnosis and treatment of disease. This opportunity to combine basic research and potential applications offers very exciting possibilities for a highly rewarding career.

The Pathology Department offers research training in a wide variety of areas such as immunology and transplantation, neoplasia, ophthalmic pathology, cell biology, pulmonary vascular and airways disease, pulmonary edema, neurodegenerative disorders, and smooth muscle pathophysiology. Modern techniques and equipment include light, fluorescence and electron microscopy (both transmission and scanning), laser capture, DNA analysis, cell culture, advanced immunological, pharmacological, biochemical, and physiological techniques, as well as morphometry and computer-aided analysis.

section 22.11.15.5: Master of Science (M.Sc.); Pathology (Thesis) (45 credits)

Graduates can directly enter rewarding careers in research, or opt to continue with their studies and obtain a Ph.D. Some combine their research training with subsequent training in medicine, law, or business administration.

section 22.11.15.6: Doctor of Philosophy (Ph.D.); Pathology

Our graduates enter successful careers in industry, academia, government/international agencies, or clinical medicine, sometimes combining two of these options. They leave McGill with experience in leadership and communication skills in addition to being highly trained in biomedical research, and their career choices include a wide range of administrative and research positions around the world.

22.11.15.3 Pathology Admission Requirements and Application Procedures

22.11.15.3.1 Admission Requirements
Applicants must have a B.Sc. or the equivalent degree with an extensive background in the physical and biological sciences. An academic record equivalent to or better than a CGPA of 3.2 out of 4.0 at McGill is required for at least the two final full-time years of undergraduate training, with a minimum CGPA of 3.0 overall.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit the
GRE and TOEFL examinations in order to be properly evaluated as to their suitability. Students are normally accepted into the M.Sc. program, and those candidates showing exceptional ability may be permitted to transfer into the Ph.D. program after one year of training.

Applicants who already possess an additional degree (M.Sc., M.D.) and have some research experience may be allowed to register in the Ph.D. program directly.

Prospective students apply online at www.mcgill.ca/gradapplicants/apply.

For further information, applicants may contact the Teaching Office, Department of Pathology.

22.11.1532 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Applications will be considered upon receipt of:

1. application;
2. transcripts;
3. two letters of reference;
4. $100 application fee;
5. test results (GRE, TOEFL).

All information is to be submitted directly to the Pathology Teaching Office.

All applications will be evaluated by the Graduate Students Committee. Candidates found suitable must then be accepted by a research director, and adequate funding must be obtained for both personal support and research expenses.

22.11.154 Pathology Faculty

Chair
D. Haegert

Director of Graduate Program
E. Zorychta

Professors
M.N. Burnier Jr.; M.D., M.Sc., Ph.D.(Brazil)
A.M.V. Duncan; B.Sc.(Qu.), Ph.D.(Edin.)
A. Ferencyz; B.A., B.Sc., M.D.(Montr.)
R. Fraser; B.Sc., M.D.,C.M.(McG.), M.Sc.(Glas.), F.R.C.P.(C)
D. Haegert; M.D.(Br. Col.), F.R.C.P.(C)
Q.A. Hamid; M.D.(Mosul), Ph.D.(Lond.) (James McGill Professor) (joint appt. with Medicine)
R.P. Michel; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
J.B. Richardson; B.Sc., M.D.,C.M., Ph.D.(McG.), F.R.C.P.(C)
A. Spatz; M.Sc., M.D.(Paris)

Associate Professors
L. Alpert; M.D., Ph.D.(Tufts)
J. Arseneau; M.D.(Laval), F.R.C.P.(C)
M. Auger; M.D.,C.M.(McG.), F.R.C.P.(C)
C. Bernard; M.D.(Sher.), F.R.C.P.(C)
M.L. Brisson; B.A.(Paris), B.Sc., M.D.(Montr.)
B. Case; B.Sc., M.D.,C.M., M.Sc.(McG.), Dipl. Occ. Hyg., F.R.C.P.(C)
M.F. Chen; M.B., B.S.(Monash), F.R.C.P.(C)
T. Haliotis; M.D.(Greece), Ph.D.(Qu.), F.R.C.P.(C)
### Associate Professors
- E. Lamoureux; B.Sc., M.D.(Montr.), F.R.C.P.(C)
- R. Onerheim; M.D.(Alta.), F.R.C.P.(C)
- L. Rochon; M.D.(Sher.), F.R.C.P.(C)
- I. Roy; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
- A.K. Wattres; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
- E. Zorychta; B.Sc.(St. FX), M.Sc., Ph.D.(McG.)

### Assistant Professors
- S. Albrecht; M.D.(Sher.), F.R.C.P.(C)
- O. Aleynikova; M.D.(Dal.), F.R.C.P.(C)
- R.D. Amre; M.B.B.S.(India), F.R.C.P.(C)
- K. Bakdounes; M.D.(Damascus), F.R.C.P.(C)
- M. Blumenkrantz; M.D.,C.M.(McG.), F.R.C.P.(C)
- G.A. Brandao; M.D.(Brazil)
- F. Brimo; M.D.(Damascus), F.R.C.P.(C)
- D. Caglar; M.D.(Turkey)
- P.J. Chauvin; M.Sc.(W. Ont.), D.D.S.(McG.)
- A. Gologan; M.D.(Romania)
- B.F. Fernandes; M.D., Ph.D.(Brazil)
- M.-C. Guiot; B.Sc., M.D.(Bordeaux)
- S.-M. Jung; M.D.(Korea)
- Y. Kanber; M.D.(Turkey)
- J. Lavoie; B.Sc., M.Sc., Ph.D.(Laval)
- H.R. Lopez-Valle; M.D.(Mexico)
- A.T. Marcus; B.Sc., M.D.,C.M.(McG.), F.R.C.P.(C)
- V.A. Marcus; M.D.,C.M.(McG.), F.R.C.P.(C)
- A. Nahal; M.D.(Aleppo)
- V.-H. Nguyen; M.D.(Montr.), F.R.C.P.(C)
- A. Omeroglu; M.D.(Istanbul)
- G. Omeroglu-Altinel; M.D.(Istanbul)
- D. Pilavdzic; M.D.(Zagreb), F.R.C.P.(C)
- S. Sandhu; M.B., B.S.(India)
- H. Srolovitz; B.Sc.(Pitt.), M.D.(Basel)
- J. St. Cyr; M.D.,C.M.(McG.), F.R.C.P.(C)

### 22.11.15.5 Master of Science (M.Sc.): Pathology (Thesis) (45 credits)

All students must take PATH 300 plus a course in statistics if they have not completed these requirements before admission. Candidates with insufficient background in one of the biomedical sciences will be required to take specific courses to remedy the deficiency. These and additional courses that are relevant to the student’s area of research will be chosen in consultation with the research director and Graduate Students Committee.

### Thesis Courses (30 credits)

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PATH 690</td>
<td>9</td>
<td>M.Sc. Thesis Research Project 1</td>
</tr>
<tr>
<td>PATH 691</td>
<td>9</td>
<td>M.Sc. Thesis Research Project 2</td>
</tr>
</tbody>
</table>
PATH 692 (12) M.Sc. Thesis Research Project 3

**Required Courses (6 credits)**

PATH 620 (3) Research Seminar 1
PATH 622 (3) Research Seminar 2

**Complementary Courses (9 credits)**

3 credits, one of the following courses:

PATH 613 (3) Research Topics in Pathology 1
PATH 614 (3) Research Topics in Pathology 2

6 credits, two 500-, 600-, or 700-level courses offered by the Department; subject to approval of the research director and Graduate Students Committee, up to 3 credits of 500-, 600-, or 700-level credits may be taken in another department.

**22.11.15.6 Doctor of Philosophy (Ph.D.); Pathology**

**Thesis**

Candidates will be evaluated primarily on their ability to conduct independent research and submit a thesis, which must be defended orally. They must also complete the courses listed below and any additional courses considered necessary by their research director or the Graduate Students Committee.

**Required Courses (12 credits)**

PATH 613 (3) Research Topics in Pathology 1
PATH 614 (3) Research Topics in Pathology 2
PATH 620 (3) Research Seminar 1
PATH 622 (3) Research Seminar 2
PATH 701 (0) Comprehensive Examination - Ph.D. Candidates

**Complementary Courses (9 credits)**

Three 500-, 600-, or 700-level courses offered by the Department; subject to the approval of the research director and Graduate Students Committee, up to one 500-, 600-, or 700-level course may be taken in another department.

**22.11.16 Pharmacology and Therapeutics**

**22.11.16.1 Location**

Department of Pharmacology and Therapeutics
McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler, Room 1325
Montreal, QC H3G 1Y6
Canada

Telephone: 514-398-3623
Fax: 514-398-2045
Email: gradstudies.pharmacology@mcgill.ca
Website: www.medicine.mcgill.ca/pharma

**22.11.16.2 About Pharmacology and Therapeutics**

The Department of Pharmacology and Therapeutics offers training leading to M.Sc. (Thesis) and Ph.D. degrees.
The Department also offers the Chemical Biology Interdisciplinary Graduate Option, together with the Departments of Biochemistry and Chemistry. Students interested in training in this option must first be accepted for graduate studies by one of the participating departments. Information on this option can be found at: [www.mcgill.ca/biochemistry/chemicalbiology](http://www.mcgill.ca/biochemistry/chemicalbiology).

Pharmacology is a multidisciplinary science that deals with all aspects of drugs and their interactions with living organisms. Thus, pharmacologists study the physical and chemical properties of drugs, their biochemical and physiological effects, mechanisms of action, pharmacokinetics, and therapeutic and other uses. The Department offers broad exposure and training in both basic and clinical research in a range of areas of specialty, including neuropharmacology, reproductive, endocrine, receptor, cardiovascular, cancer, developmental, autonomic, clinical, and biochemical pharmacology, molecular biology, and toxicology.

The present 52 full and affiliate members of the Department have research laboratories located in the McIntyre Medical Sciences Building and in a variety of hospitals, institutes, and industry including the Douglas Hospital Research Centre, Allan Memorial Institute, Montreal Children's Hospital, Montreal General Hospital, Royal Victoria Hospital, Montreal Heart Institute, Lady Davis Research Institute, Pfizer Canada, and Merck Frosst Canada Inc. The participation of researchers from both industry and government ensures the relevance of the Department's applications-oriented training programs.

### section 22.11.16.6: Master of Science (M.Sc.); Pharmacology (Thesis) — Chemical Biology (47 credits)

The objective of the M.Sc. (Thesis) and Ph.D. degree training programs is to provide in-depth independent research experience in a specific area of pharmacology.

### section 22.11.16.7: Doctor of Philosophy (Ph.D.); Pharmacology

The objective of the M.Sc. (Thesis) and Ph.D. degree training programs is to provide in-depth independent research experience in a specific area of pharmacology.

### section 22.11.16.8: Doctor of Philosophy (Ph.D.); Pharmacology — Chemical Biology

The Chemical Biology Thematic Group is engaged in a diverse range of research topics which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and biophysical chemistry of living tissues. Among the themes which unite the research being performed in this group is trying to learn new chemistry and physics from biological systems.

We have projects relating to pharmacologically relevant enzymes such as those involved in drug metabolism and antibiotic resistance; development of therapeutic agents in the control of inflammation, cancer, and viral infections; the chemical biology of NO; quantification of bioenergetic markers of metabolism; self-assembly mechanisms of the HIV-1 virion capsid; liposome microarray systems to address membrane protein dynamics and recognition; studies on reactive oxygen species translocation across the aqueous/lipid membrane interface; RNAi/antisense technologies; dynamic combinatorial chemistry; protein dynamics and function; mechanistic aspects involved in cellular adhesion and transport in membrane and zeolite channels; and cutting-edge microscopes used to examine transport, motility, and reactivity in cells.

### 22.11.16.3 Pharmacology and Therapeutics Admission Requirements and Application Procedures

#### 22.11.16.3.1 Admission Requirements

Candidates are required to hold a B.Sc. degree in a discipline relevant to the proposed field of study; those with the M.D., D.D.S., or D.V.M. degrees are also eligible to apply. A background in the health sciences is recommended, but programs in biology, chemistry, mathematics, and physical sciences may be acceptable.

Admission is based on a student's academic record, letters of assessment, and, whenever possible, interviews with staff members. Students are required to take the Graduate Record Examination Aptitude Test (GRE) and the Test of English as a Foreign Language (TOEFL) or the equivalent, except as follows, in accordance with McGill policy, only those whose mother tongue is English, who graduated from a recognized Canadian institution (anglophone or francophone), or who completed an undergraduate or graduate degree at a recognized foreign institution where English is the language of instruction are exempt from providing proof of competency in English.

Inquiries relating to all aspects of graduate study should be directed to the Graduate Coordinator, Department of Pharmacology and Therapeutics, as early as possible in each academic year.

#### Admissions Requirements – Chemical Biology Option

As for the regular graduate programs of the participating departments, acceptance into the Chemical Biology option consists of two steps:
1. Preliminary approval by the Department's Graduate Committee based on the student's transcript, references, and other documents submitted with the application. The criteria for assessment at this level are the same as for the regular graduate programs of the participating departments.

2. Acceptance by an individual research director. For students wishing to participate in the Chemical Biology option, the director must propose a research project for the student that provides training in the methods and philosophy of chemical biology. Project proposals are assessed by the Chemical Biology Program Committee.

2211.1632 Application Procedures

Applications will be considered upon receipt of:

1. completed official McGill University application form, available online at www.mcgill.ca/gradapplicants/apply;
2. curriculum vitae including a statement of research interests;
3. two original transcripts sent directly from all universities attended;
4. two confidential letters of recommendation from professors or research-related employers (at least one should be from an academic known to the international scientific community). There is no "Standard Form". The letter must be printed on letterhead;
5. official GRE (www.ets.org/gre) and TOEFL (www.ets.org/toefl) scores (not required of applicants from Canada).

Applications and all documents should be submitted directly to the Graduate Program Coordinator, Ms. Tina Tremblay, in the Department of Pharmacology.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Please refer to our website (www.medicine.mcgill.ca/pharma) for complete deadlines.

22.11.16.4 Pharmacology and Therapeutics Faculty

Chair

H.H. Zingg

Graduate Program Director

G. Almazan

Emeritus Professors

R. Capek; M.D., Ph.D.(Prague)
B. Collier; Ph.D.(Leeds)
T. Sourkes; Ph.D.(C’nell)

Professors

G. Almazan; Ph.D.(McG.)
P.B.S. Clarke; M.A.(Camb.), Ph.D.(Lond.)
A.C. Cuello; M.D.(Buenos Aires), M.A., D.Sc.(Oxf.), F.R.S.C.
B.F. Hales; Ph.D.(McG.)
D. Maysinger; Ph.D.(USC)
P.J. McLeod; M.D.(Manit.), F.R.C.P.(C)
A. Ribeiro-da-Silva; M.D., Ph.D.(Oporto)
B. Robaire; Ph.D.(McG.)
H. Saragovi; Ph.D.(Miami)
M. Szyf; Ph.D.(Hebrew)
J. Trasler; M.D.,C.M., Ph.D.(McG.)
H.H. Zingg; M.D., Ph.D.(McG.)

Associate Professors

D. Bernard; Ph.D.(Johns Hop.)
D. Bowie; B.Sc., Ph.D.(Lond.)
Associate Professors

T. Hébert; Ph.D.(Tor.)
A. McKinney; Ph.D.(Ulster)
S. Nattel; M.D.,C.M.(McG.)
A.L. Padjen; M.D., Ph.D.(Zagreb)
E. Zorychta; Ph.D.(McG.)

Assistant Professors

G. Miller; Ph.D.(W. Ont.)
J. Tanny; Ph.D.(Harv.)

Associate Members

M. Alaoui-Jamali; Ph.D.(Sorbonne)
G. Batist; M.D.,C.M.(McG.)
M. Culty; Ph.D.(Fr.)
G. Di Battista; B.Sc., Ph.D.(Montr.)
L. Fellows; M.D., C.M.(McG.) Ph.D.(Oxf.)
P. Fiset; M.D.(Laval), F.R.C.P.S.(C)
S. Gauthier; M.D.(Montr.)
T. Geary; Ph.D.(Mich.)
B. Jean-Claude; Ph.D.(McG.)
S. Kimmins; Ph.D.(Dal.)
S. Laporte; Ph.D.(Sher.)
C. O'Flaherty; Ph.D.(Buenos Aires)
V. Pappadopoulos; Ph.D.(Univ. Pierre & Marie Curie)
R. Prichard; Ph.D.(NSW)
R. Quirion; Ph.D.(Sher.)
S. Rousseau; Ph.D.(Laval)
Y. Shir; M.D.(Israel), Ph.D.(Johns Hop.)
L. Stone; Ph.D.(Minn.)
M. Ware; MBBS(West Indies)
T. P. Wong; Ph.D.(McG.)

Adjunct Professors


22.11.165 Master of Science (M.Sc.); Pharmacology (Thesis) (45 credits)

Thesis Courses (24 credits)

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<td>PHAR 698</td>
<td>(9)</td>
<td>Thesis Preparation 2</td>
</tr>
<tr>
<td>PHAR 699</td>
<td>(12)</td>
<td>Thesis Preparation 3</td>
</tr>
</tbody>
</table>

Required Courses (9 credits)
Comprehensive (6)
PHAR 601
Statistics for Pharmacologists (3)
PHAR 712

Complementary Courses (12 credits)
6 credits, from the following courses:

PHAR 562 (3) General Pharmacology 1
PHAR 563 (3) General Pharmacology 2

or, for students who have taken PHAR 562 and PHAR 563 as part of their undergraduate degree, they will register for the following course:

PHAR 697 (6) Thesis Preparation 1

6 credits, two 700-level PHAR courses.

22.11.16.6 Master of Science (M.Sc.); Pharmacology (Thesis) — Chemical Biology (47 credits)

Thesis Courses (24 credits)

PHAR 696 (3) Thesis Preparation
PHAR 698 (9) Thesis Preparation 2
PHAR 699 (12) Thesis Preparation 3

Required Courses (9 credits)

PHAR 601 (6) Comprehensive
PHAR 712 (3) Statistics for Pharmacologists

Complementary Courses (14 credits)
2 credits, two of the following courses:

BIOC 610 (1) Seminars in Chemical Biology 1
BIOC 611 (1) Seminars in Chemical Biology 3
BIOC 689 (1) Seminars in Chemical Biology 2
BIOC 690 (1) Seminars in Chemical Biology 4

6 credits, from the following courses:

PHAR 562 (3) General Pharmacology 1
PHAR 563 (3) General Pharmacology 2

or, for students who have taken PHAR 562 and PHAR 563 as part of their undergraduate degree, they can be replaced with two of the following courses:

BIOC 603 (3) Genomics and Gene Expression
BIOC 604 (3) Macromolecular Structure
CHEM 504 (3) Drug Design and Development 2
CHEM 522 (3) Stereochemistry
CHEM 591 (3) Bioinorganic Chemistry
### Reaction Mechanisms in Organic Chemistry (CHEM 621)
- Credits: 5
- Description: Reaction Mechanisms in Organic Chemistry

### Organic Synthesis (CHEM 629)
- Credits: 5
- Description: Organic Synthesis

### Advanced NMR Spectroscopy (CHEM 655)
- Credits: 4
- Description: Advanced NMR Spectroscopy

### Drug Design and Development 2 (PHAR 504)
- Credits: 3
- Description: Drug Design and Development 2

### Topics in Pharmacology 6 (PHAR 707)
- Credits: 3
- Description: Topics in Pharmacology 6

#### 3 credits, one of the following courses:
- PHAR 702 (3): Topics in Pharmacology 1
- PHAR 703 (3): Topics in Pharmacology 2
- PHAR 704 (3): Topics in Pharmacology 3
- PHAR 705 (3): Topics in Pharmacology 4
- PHAR 706 (3): Topics in Pharmacology 5
- PHAR 707 (3): Topics in Pharmacology 6

#### 3 credits, one of the following courses:
- PHAR 503 (3): Drug Design and Development 1

### 22.11.16.7 Doctor of Philosophy (Ph.D.); Pharmacology

#### Thesis
Students must successfully complete, or be exempted from, the same courses as for the equivalent M.Sc. in Pharmacology, plus one additional 700-level graduate course (for a total of three).

### 22.11.16.8 Doctor of Philosophy (Ph.D.); Pharmacology — Chemical Biology

#### Thesis

##### Required Courses (13 credits)
- BIOC 610 (1): Seminars in Chemical Biology 1
- BIOC 611 (1): Seminars in Chemical Biology 3
- BIOC 689 (1): Seminars in Chemical Biology 2
- BIOC 690 (1): Seminars in Chemical Biology 4
- PHAR 601 (6): Comprehensive
- PHAR 712 (3): Statistics for Pharmacologists

##### Complementary Courses (14 credits)
- 6 credits, from the following courses:
  - PHAR 562 (3): General Pharmacology 1
  - PHAR 563 (3): General Pharmacology 2

  or, for students who have taken PHAR 562 and PHAR 563 as part of their undergraduate degree, they can replace them with two of the following courses:
  - BIOC 603 (3): Genomics and Gene Expression
two of the following courses:

- PHAR 702 (3) Topics in Pharmacology 1
- PHAR 703 (3) Topics in Pharmacology 2
- PHAR 704 (3) Topics in Pharmacology 3
- PHAR 705 (3) Topics in Pharmacology 4
- PHAR 706 (3) Topics in Pharmacology 5
- PHAR 707 (3) Topics in Pharmacology 6

one of the following courses:

- CHEM 502 (3) Advanced Bio-Organic Chemistry
- PHAR 503 (3) Drug Design and Development 1

### 22.11.17 Physiology

#### 22.11.17.1 Location

Department of Physiology  
McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler  
Montreal, QC H3G 1Y6  
Canada

Telephone: 514-398-4343  
Fax: 514-398-7452  
Website: [www.medicine.mcgill.ca/physio](http://www.medicine.mcgill.ca/physio)

#### 22.11.17.2 About Physiology

The Physiology Department offers training leading to M.Sc. and Ph.D. degrees. The scope of the ongoing research, and close connections with the McGill teaching hospitals, offer excellent opportunities for collaborations with hospital-based scientists. Research in the Department covers a broad range of topics from systems neuroscience to molecular and cellular biology. Interests include studies of nuclear and membrane receptors, transporters, channels, and signal transduction pathways, to the broader integration of physiological systems (cardiovascular, respiratory, renal, endocrine, immune and central nervous systems) using an array of molecular and cellular approaches as well as quantitative techniques in data collection, analysis, and mathematical modeling by computational means. All graduate students in Physiology receive financial support. Any faculty member who agrees to supervise a student who does not hold a fellowship is obliged to provide financial support.

**section 22.11.17.5: Master of Science (M.Sc.); Physiology (Thesis) (49 credits)**

The M.Sc. program is intended for students from an academic background wishing to pursue careers in academia, industry, or in medicine. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental approaches. Thesis work is available in a broad range of disciplines from molecular and cellular to systems physiology covering multiple organ systems. Students wishing to continue to the doctoral program have the option of transferring to the Ph.D., and waiving the M.Sc. thesis submission.
section 22.11.17.6: Master of Science (M.Sc.); Physiology (Thesis) — Bioinformatics (49 credits)

The intention of the Bioinformatics Option is to train M.Sc. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating of Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics Option will be fluent in the concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

section 22.11.17.7: Doctor of Philosophy (Ph.D.); Physiology

The doctoral program is intended for students from a strong academic background wishing to pursue research-intensive careers in academia, industry, or in medicine. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental approaches. Thesis work provides in-depth training in a broad range of disciplines from molecular and cellular to systems physiology covering multiple organ systems.

section 22.11.17.8: Doctor of Philosophy (Ph.D.); Physiology — Bioinformatics

The intention of the Bioinformatics Option is to train Ph.D. students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating of Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics Option will be fluent in the concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

22.11.17.3 Physiology Admission Requirements and Application Procedures

22.11.17.3.1 Admission Requirements

Admission to the Graduate program is based on an evaluation by the Graduate Student Admissions and Advisory Committee (GSAAC), and on being accepted by a research supervisor. Final acceptance is contingent upon approval of the recommendation of the applicant by Graduate and Postdoctoral Studies, from whom official notification will be received.

Candidates for the M.Sc. degree must hold a B.Sc. degree or its equivalent. Candidates who have completed an M.Sc. may be admitted directly to the Ph.D. program. M.Sc. students interested in a Ph.D. may transfer to the Ph.D. program after 12-18 months, following successful completion of all transfer requirements. The M.Sc. thesis requirement is then waived. Candidates with exceptional academic records may be considered to proceed directly to the Ph.D. degree from the B.Sc. degree.

The GRE General Test is required for anyone who does not have a degree from a North American University. TOEFL: only those whose mother tongue is English, who graduated from a North American institution (anglophone or francophone) or who completed an undergraduate or graduate degree at a foreign institution where English is the language of instruction are exempt from providing proof of competency in English.

A minimum CGPA of 3.2 or a GPA of 3.4 in the last two years is required for an application to be considered.

22.11.17.3.2 Application Procedures

The GSAAC will only consider applications upon receipt of all of the following documentation:

1. online application form;
2. $100 application fee;
3. personal statement;
4. CV;
5. two letters of reference, not more than six months old, from two professors printed on official letterhead;
6. two official copies of all university transcripts;
7. results of the GRE (Graduate Record Exam) General Test, for applicants whose undergraduate degree is not from a North American university;
8. results of the Test of English as a Foreign Language (TOEFL), minimum score of 600 on paper-based test (or 100 on the Internet-based test with each component score not less than 20); only those whose mother tongue is English, who graduated from a North American institution (anglophone or francophone), or who completed an undergraduate or graduate degree at a foreign institution where English is the language of instruction will be exempt from providing proof of competency in English.

Applications should be submitted to the Graduate Student Affairs Coordinator as early as possible in order to facilitate processing. However, no applications will be considered after the dates for guaranteed consideration.

Dates for Guaranteed Consideration

Interested candidates should refer to the Department's website www.medicine.mcgill.ca/physio for dates for guaranteed consideration and other important information.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.
22.11.17.4 Physiology Faculty

Chair
John Orlowski

Graduate Program Director
Kathleen Cullen

Emeritus Professors
Thomas M.S. Chang; B.Sc., M.D., C.M., Ph.D.(McG.), F.R.C.P.(C)
Kresmir Krnjivic; O.C., B.Sc., Ph.D., M.B., Ch.B.(Edin.), F.R.S.C.
Wayne S. Lapp; M.S.A.(Tor.), Ph.D.(McG.)
Mortimer Levy; B.Sc., M.D., C.M.(McG.), F.R.C.P.(C) (joint appt with Medicine)
George Mandl; B.Sc.(C'dia); Ph.D.(McG.)
Geoffrey Melvill Jones; B.A., M.A., M.B., B.Ch., M.D.(Cant.)
Joseph Milic-Emili; M.D.(Milan)

Professors
Monroe W. Cohen; B.Sc., Ph.D.(McG.)
Ellis J. Cooper; B.Eng,(Sir G. Wms.), M.Sc.(Surr.), Ph.D.(McM.)
Kathleen Cullen; B.Sc.(Brown), Ph.D.(Chic.) (William Dawson Scholar)
Leon Glass; B.S.(Brooklyn), Ph.D.(Chic.) (Rosenfield Professor of Medicine)
Phil Gold; M.Sc., Ph.D., M.D., C.M.(McG.), F.R.C.P.(C.) (Douglas G. Cameron Professor of Medicine)
David Goltzman; B.Sc., M.D., C.M.(McG.), F.R.C.P.(C) (Antoine G. Massabki Professor of Medicine) (joint appt. with Medicine)
John Hanrahan; Ph.D.(Br. Col.)
Gergely Lukacs; M.D., Ph.D.(Budapest)
Michael Mackey; B.A., Ph.D.(Wash.) (Drake Professor of Medicine)
Jacapo P. Mortola; M.D.(Milan)
John Orlowski; B.Sc.(McG.), M.Sc., Ph.D.(Qu.) (James McGill Professor)
Premsyl Ponka; M.D., Ph.D.(Prague)
Alvin Shrier; B.Sc.(C'dia), Ph.D.(Dal.) (Hosmer Professor of Physiology)
Douglas G.D. Watt; M.D., Ph.D.(McG.)
John White; B.Sc., M.Sc.(Car.), Ph.D.(Harv.), Sheldon Magder; M.D.(Tor) (joint appt. with Medicine)

Associate Professors
Erik Cook; Ph.D.(Baylor Coll., Tx)
Riaz Farookhi; B.Sc., M.Sc.(MIT), Ph.D.(Tufts)
Mladen Glavinovic; B.Sc.(Zagreb), M.Sc.(Tor.), Ph.D.(McG.)
Michael Guevara; Ph.D.(McG.)
Pejmun Haghighi; Ph.D.(McG.)
Sheldon Magder; M.D.(Tor.) (joint appt. with Medicine)
Julio Martinez-Trujillo; Ph.D.(Tubingen)
Ursula Stochaj; Ph.D.(Cologne)
Teresa Trippenbach; M.D., Ph.D.(Warsaw)
**Associate Professors**

Ann Wechsler; B.A.(Tor.), M.Sc., Ph.D.(McG.)

**Associate Professor - Part-Time**

Nicole Bernard; B.Sc.(McG.), Ph.D.(Duke)

**Assistant Professors**

Maurice Chacron; Ph.D.(Ott.)

Russell Jones; Ph.D.(Tor.)

**Associate Members**

*Anaesthesia*: Steven Backman, Fernando Cervero

*Biochemistry*: Imed Gallouzi

*Biomedical Engineering*: Robert Kearney, Satya Prakash

*Electrical and Computer Engineering*: Sam Musallam

*Kinesiology and Physical Education*: Dilson Rassier


*Nephrology*: Serge Lemay, Tomoko Takano

*Neurology*: David Ragsdale

*Neurology and Neurosurgery*: Jack Antel, Massimo Avoli, Charles Bourque, Sal Carbonetto, Daniel Guitton, Christopher Pack, Melissa Vollrath

*Ophthalmology*: Curtis Baker

*Otolaryngology*: Bernard Segal

*Pediatrics*: Charles Rohlicek

*Pharmacology*: Terence Hebert

*Psychiatry*: Nicolas Cermakian, Bernardo Dubrovsky, Christina Gianoulakis

**Adjunct Professors**

Roy Caplan, Pierre Drapeau, John Milton, Malmur Sairam, Peter Swain

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**22.11.17.5 Master of Science (M.Sc.); Physiology (Thesis) (49 credits)**

**Thesis Courses (30 credits)**

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<tr>
<td>PHGY 623</td>
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<td>M.Sc. Seminar</td>
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**Required Courses (13 credits)**

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<td>PHGY 620</td>
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<td>Progress in Research</td>
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Elective Courses (6 credits)
Students must select 6 approved credits in Physiology or Science at the 500 level or above.

22.11.17.6 Master of Science (M.Sc.); Physiology (Thesis) — Bioinformatics (49 credits)

Thesis Courses (30 credits)

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Required Courses (16 credits)

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<td>COMP 616D2</td>
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<tr>
<td>PHGY 601</td>
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<td>M.Sc. Proposal Seminar</td>
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<td>PHGY 608</td>
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<td>Laboratory Research 2</td>
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Complementary Courses (3 credits)

3 credits to be chosen from the following:

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<th>Course</th>
<th>Credits</th>
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<td>BMDE 652</td>
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<td>Bioinformatics: Proteomics</td>
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<tr>
<td>BTEC 555</td>
<td>3</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
</tbody>
</table>

22.11.17.7 Doctor of Philosophy (Ph.D.); Physiology

Thesis

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>PHGY 701</td>
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<td>Ph.D. Comprehensive Examination</td>
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<tr>
<td>PHGY 702</td>
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<td>Ph.D. Proposal</td>
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<td>Ph.D. Seminar Course 1</td>
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<tr>
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<td>1</td>
<td>Ph.D. Seminar Course 2</td>
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<td>PHGY 724</td>
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<td>Ph.D. Seminar Course 5</td>
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<tr>
<td>PHGY 725</td>
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<td>Ph.D. Seminar Course 6</td>
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Elective Courses (9 credits)

Students are required to take an additional three courses of Physiology or Science at the 500 level or above, in consultation with the GSAAC and the candidate's supervisor.
22.11.17.8 Doctor of Philosophy (Ph.D.); Physiology — Bioinformatics

Thesis

Required Courses (15 credits)

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<td>COMP 616D2</td>
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<tr>
<td>PHGY 603</td>
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<td>Systems Biology and Biophysics</td>
</tr>
<tr>
<td>PHGY 701</td>
<td>0</td>
<td>Ph.D. Comprehensive Examination</td>
</tr>
<tr>
<td>PHGY 702</td>
<td>1</td>
<td>Ph.D. Proposal</td>
</tr>
<tr>
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<td>PHGY 725</td>
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Complementary Course (3 credits)

One course to be chosen from the following courses:

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<td>BMDE 652</td>
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<td>Bioinformatics: Proteomics</td>
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<td>BTEC 555</td>
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<td>Structural Bioinformatics</td>
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<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
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</table>

22.11.18 Psychiatry

22.11.18.1 Location

Department of Psychiatry
1033 Pine Avenue West
Montreal, QC H3A 1A1
Canada

Telephone: 514-398-4176
Fax: 514-398-4370
Email: graduate.psychiatry@mcgill.ca
Website: www.med.mcgill.ca/psychiatry

22.11.18.2 About Psychiatry

McGill University’s Department of Psychiatry is one of the most prestigious in the world. In the 1950s and ‘60s, Heinz Lehmann conducted the first North American clinical trials for antipsychotic and antidepressant medications. Theodore Sourkes identified the core neurobiological features of Parkinson’s disease. And Eric Wittkower plus Jack Fried brought together scholars from Anthropology and Psychiatry to create Transcultural Psychiatric Studies. Since then, faculty members and graduate students continue outstanding research in addictions, Alzheimer’s and childhood disorders, eating, personality and mood disorders, stress, trauma, and psychosis. The work is conducted in people plus animal models, and benefits from expertise ranging from neuroimaging and epigenetics to mental health services and public policy, remaining at the cutting edge of research on health, disease, and recovery.

Master of Science (M.Sc.), ad hoc Ph.D.
The graduate program in Psychiatry is designed to provide advanced research training in the basic, applied, and social sciences relevant to issues in psychiatry. Applicants are admitted from a wide range of backgrounds, including undergraduate degrees in relevant areas (e.g., psychology, neuroscience, sociology, medical anthropology, nursing, and medicine), and those who are pursuing their psychiatry residency at McGill. Most, though not all students, continue to a Ph.D. The graduate program does not provide clinical training.

### 22.11.18.3 Psychiatry Admission Requirements and Application Procedures

#### 22.11.18.3.1 Admission Requirements

- A B.Sc., B.A., B.N., or M.D. degree.
- A strong background in science and/or social science, as demonstrated by academic achievement equivalent to a GPA of 3.3 (on a 4 point scale) or 3.5 in the last two years.
- A written agreement from the proposed research supervisor, and student's statement of purpose for seeking an M.Sc.
- An outline of the proposed thesis research, to be written by the prospective student in collaboration with an appropriate research supervisor.
- Two letters of reference.
- Certified proficiency in written English or French.

#### 22.11.18.3.2 Application Procedures

Applications will be considered upon delivery of the following to the Graduate Program Coordinator:

1. a completed application form;
2. CAD$100 application fee;
3. two official transcripts of all university studies;
4. a written Confirmation of Supervision form (see Department website) from the proposed research supervisor;
5. a written statement of purpose, describing the specific reasons for seeking a Master of Science degree in Psychiatry;
6. an outline of the proposed thesis research, to be written by the prospective student in collaboration with an appropriate research supervisor;
7. two letters of reference with Applicant Evaluation checklist forms (see Department website);
8. TOEFL or IELTS certificate of proficiency in English for non-Canadian applicants whose mother tongue and language of education is not English, with a minimum score of 550 on the written TOEFL test, or 86 on the Internet-based test, with each component score not less than 20, or 6.5 on the IELTS test.

### Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program.

McGill’s online application form for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

### 22.11.18.4 Psychiatry Faculty

#### Chair

M. Israël

#### Vice Chairs

G. Turecki – Research
D. Charney – Education

#### Chair of Graduate Program

M. Leyton

#### Emeritus Professors

B.E. Murphy; M.D.(Tor.), Ph.D.(McG.)
L. Sourkes; M.Sc.(McG.), Ph.D.(C’nell)

#### Professors

F. Abbott; B.Sc.(Trent), M.Sc., Ph.D.(McG.)
Professors

L. Annable; B.Sc.(Liv.), Dipl. in Stat.(Edin.)
A. Bechara; Ph.D.(Tor.)
C. Benkelfat; M.D.(Rabat) (James McGill Professor)
P. Boksa; B.Sc., Ph.D.(Montr.)
E. Fombonne; M.D.(Paris)
N. Frasure-Smith; B.A., Ph.D.(Johns Hop.)
S. Gauthier; B.A., M.D.(Montr.)
A. Gratton; Ph.D.(C'dia)
L.T. Hechtman; B.Sc., M.D.,C.M.(McG.)
L.J. Kirmayer; B.Sc., M.D.,C.M., Dipl.Psych.(McG.) (James McGill Professor)
M.J. Meaney; B.A.(Loyola), M.A., Ph.D.(C'dia) (James McGill Professor)
V.N.P. Nair; M.B., B.S.(Kerala), D.P.M.(Mys.)
R. Palmour; B.A., Ph.D.(Texas)
J. Paris; M.D.,C.M.(McG.)
J.C. Perry; M.D.(Duke)
J. Poirier; Ph.D.(Montr.)
R. Quirion; B.Sc., M.Sc., Ph.D.(Sher.)
H. Steiger; Ph.D.(McG.)
C.-D. Walker; B.Sc., Ph.D.(Geneva)
A. Young; B.A., M.A., Ph.D.(Penn.)
S.N. Young; B.A.(Oxf.), M.Sc., Ph.D.(Lond.)

Associate Professors

S. Beaulieu; M.D./Ph.D.(Laval)
D. Boivin; Ph.D.(Montr.)
A. Brunet; Ph.D.(Montr.)
N. Cermakian; B.Sc.(UQTR), M.Sc., Ph.D.(Montr.)
D. Charney; M.D.,C.M.(McG.)
A. Crocker; Ph.D.(Montr.) (William Dawson Scholar)
J.B. Debruille; M.D.(Paris), Ph.D.(Univ. Pierre et Marie Curie)
B.O. Dubrovsky; M.D.(Buenos Aires)
M.-J. Fleury; M.A., Ph.D.(Montr.)
G. Galbaud du Fort; M.D., Ph.D.(Paris) (joint appt. with Epidemiology and Biostatistics)
K.G. Gill; B.Sc.(Br. Col.), M.A., Ph.D.(C'dia)
G. Gobbi; M.D.(Rome), Ph.D.(Cagliari, Italy)
I. Gold; Ph.D.(Princ.)
B. Greenfield; M.D.(Wash.)
D. Groleau; B.Sc., M.Sc., Ph.D.(Montr.)
J. Guzder; M.D.,C.M.(McG.)
R. Joober; M.D.(France), Ph.D.(Tunisia)
S. King; M.Ed., Ed.S.(James Madison Univ.), Ph.D.(Virginia Poly. Inst.)
E. Latimer; B.A.Sc.(Wat.), M.S., Ph.D.(Carn. Mell)
**Associate Professors**

M. Lepage; B.A.(C'dia), Ph.D.(UQAM)
M. Leyton; Ph.D.(C'dia) (*William Dawson Scholar*)
K. Looper; B.Sc., M.D.(Ott.), M.Sc.(McG.)
G. Luheishi; Ph.D.(Newcastle, U.K.) (*William Dawson Scholar*)
G. Myhr; M.D.,C.M., M.Sc.(McG.)
D. Pedersen; M.D.(Buenos Aires)
M. Perreault; Ph.D.(Montr.)
J. Pruessner; Ph.D.(Univ. Trier)
M.N. Rajah; B.Sc., M.A., Ph.D.(Tor.)
A. Raz; M.Sc., Ph.D.(Hebrew)
J. Renaud; M.Sc., M.D.(Montr.)
J. Rochford; M.A.(Qu.), Ph.D.(C'dia)
C. Rousseau; M.D.(Sher.), M.Sc.(McG.)
L.K. Srivastava; B.Sc., M.Sc.(Alld.), Ph.D.(New Delhi)
G. Turecki; M.D.(Brazil), Ph.D.(McG.) (*William Dawson Scholar*)
S. Williams; Ph.D.(Montr.)
P. Zelkowitz; Ph.D.(McG.)
M. Zoccolillo; B.Sc.(New Orleans), M.D.(Norfolk)

**Assistant Professors**

J. Armony; Ph.D.(NYU)
L. Beauclair; B.Sc., M.D.(Laval)
P. Beaudry; M.D.(Sher.), Dipl.Psych.(McG.)
D. Bloom; B.Sc.(Regina), M.D.(Qu.)
V. Bohbot; Ph.D.(Ariz.)
T.G. Brown; Ph.D.(C'dia)
D.M. Dunkley; B.Sc.(Tor.), Ph.D.(McG.)
C. Flores; Ph.D.(C'dia)
Y. Goto; B.S.(Tokyo), M.Sc., Ph.D.(Albany)
R. Gruber; B.A., M.S., Ph.D.(Tel Aviv)
G.E. Jarvis; B.M.S., M.D.(Alta.)
F. Jollant; M.D.(Paris), M.Sc., Ph.D.(Montpellier)
E. Loucks; B.Sc., Ph.D.(Br. Col.)
N.C.P. Low; M.D., M.Sc.(McG.)
A. Malla; Ph.D.(W. Ont.)
T. Measham; B.Sc., M.D.(McG.)
N. Mechawar; B.Sc., M.Sc., Ph.D.(Montr.)
L. Nadeau; M.D.(Montr.)
M. Piat; Ph.D.(Laval)
R. Rodriguez; M.D., MPH(Spain), Ph.D.(Montr.)
N. Schmitz; Ph.D.(Univ. Dortmund)
B. Thombs; B.S.(N'western), M.A.(Ariz.), Ph.D.(NYU)
**Assistant Professors**

A. Wazana; B.A.(McM.), M.Sc.(Col.), M.Sc.(McG.), M.D.(McM.)

R. Whitley; B.S., M.S., Ph.D.(Lond)

T.P. Wong; B.Sc.(HK), Ph.D.(McG.)

**Associate Member**

R.O. Pihl (Psychology)

**Adjunct Professors**

P. Blier, L. Gaston, C. Mercier, S. Welner

---

**22.11.18.5 Master of Science (M.Sc.); Psychiatry (Thesis) (45 credits)**

The M.Sc. in Psychiatry is administered by the Graduate Training Committee. Each student selects a Supervisory Committee composed of the research supervisor plus two to four other faculty who are knowledgeable about the student's research area and who can advise both on appropriate coursework and on the thesis research project. The student will meet with this Supervisory Committee at least once during each year of matriculation for the purpose of evaluating academic and research progress of the student. The Supervisory Committee will also act as a resource body for the student, both with respect to academic and administrative matters.

**Thesis Courses (36 credits)**

- PSYT 691 (12) Thesis Research 1
- PSYT 692 (12) Thesis Research 2
- PSYT 693 (12) Thesis Research 3

**Complementary Courses (9 credits)**

9 credits of graduate-level courses approved by the student's Supervisory Committee.

Courses are selected on the basis of the area of research interest and the background of the student, and must include a course in statistical analysis if not presented upon admission.

---

**22.11.19 Surgical Research**

**22.11.19.1 Location**

Division of Surgical Research, Department of Surgery

Montreal General Hospital, Room C9-160

1650 Cedar Avenue

Montreal, QC H3G 1A4

Canada

Telephone: 514-934-1934 ext. 42837

Fax: 514-934-8289

Email: gradstudies.surgery@mcgill.ca

Website: www.surgery-research.mcgill.ca

**22.11.19.2 About Surgical Research**

The Department of Surgery offers graduate programs leading to M.Sc. and Ph.D. degrees, and a Graduate Diploma in Surgical Health Care Research. The Division of Surgical Research is responsible for the administration of the graduate programs and allows excellent opportunities for training under the supervision of professors located in the Research Institutes of the different McGill teaching hospitals. The scope of the research and close connections with other centres and departments of McGill provide ample opportunities for collaboration. The research in the Department covers a broad range of topics from repair and regeneration to cancer cell biology and sexual dysfunction. Research interests include studies of wound healing, scarring and skin tissue engineering, receptors and signal transduction pathways, cartilage repair and osteoarthritis, islet cell differentiation and islet transplantation, tissue engineering of cardiac muscle, immunopathogenesis of liver xenograft rejection; osteoinduction and biomechanics; sepsis and multi-organ failure; biology of cancer; sexual dysfunction and prostate cancer; and surgical health outcomes.
A list of research directors and a description of their research topics, as well as application forms may be obtained from our website (www.surgery-research.mcgill.ca).

**section 22.11.19.5: Master of Science (M.Sc.); Experimental Surgery (Thesis) (Surgical Research) (48 credits)**

The M.Sc. program is intended for students wishing to pursue careers in academia, the medical field, or industry. Thesis projects available in the various laboratories of the Department are multidisciplinary and ensure that students are exposed to a broad spectrum of research projects and experimental approaches. Students who have achieved superior progress in their research have the option to transfer to the Ph.D. program, waiving the M.Sc. thesis submission.

**section 22.11.19.6: Doctor of Philosophy (Ph.D.); Experimental Surgery (Surgical Research)**

The doctoral program is intended for students with excellent academic standing who wish to pursue research-focused careers in academia, medical field, or industry. Thesis projects available in the various laboratories of the Department are multidisciplinary and provide in-depth training ensuring that students are exposed to a broad spectrum of research projects and experimental approaches.

**section 22.11.19.7: Graduate Diploma in Surgical Health Care Research (30 credits)**

The graduate diploma program is open to all graduate students in the Division of Surgical Research, but is specifically designed for surgical residents who have allotted time during their residency training. The intention of the program is to train students to become researchers in the interdisciplinary field of surgical health outcome. The students will receive training strategies for experimental design, analysis of data sets, modeling techniques, and use of algorithms and statistics. Upon completion of this program, students are expected to be proficient in the concepts, language, approaches, and limitations of the field.

### 22.11.19.3 Surgical Research Admission Requirements and Application Procedures

#### 22.11.19.3.1 Admission Requirements

**M.Sc. Program**

Usually a B.Sc., M.D., or D.V.M. degree is required, with a minimum CGPA of 3.2/4.0. Applications will be accepted from candidates sponsored by a research supervisor willing to provide laboratory space and direction for their research work.

**Ph.D. Program**

Admission is usually from the M.Sc. program either upon completion of the M.Sc. degree, or by transfer from the first year of M.Sc. to the second year of Ph.D. studies. Request for such transfer is to be made in writing by the thesis supervisor during the candidate's first year of M.Sc. studies, not later than March 30 for students enrolled in September, or October 15 for those registered in January. The student must then apply for admission to the Ph.D. program in order to effect the transfer. Transfer is granted on the basis of an examination administered by the student’s Research Supervisory Committee. Exceptional students with a minimum 3.5/4.0 CGPA may apply directly to the Ph.D. program. Students must apply for admission to transfer to the Ph.D. by the date for guaranteed consideration.

Students with an M.Sc. degree from other departments or from other recognized universities whose M.Sc. topic is closely related to the subject of their Ph.D. research may be admitted directly into the Ph.D. program, at the level of Ph.D. 2, at the discretion of the Department. Exceptional students with a master's degree unrelated to their proposed research may be admitted to Ph.D. 1.

**Graduate Diploma in Surgical Health Care Research**

The program is open to all graduate students in the Division of Surgical Research, but is specifically designed for surgical residents who have allotted time during their residency training. To be accepted into the Graduate Diploma program, students must be accepted into the Division of Surgical Research; fulfill the minimum requirements for admission to Graduate and Postdoctoral Studies; identify an acceptable and feasible research project; and identify an accredited faculty member willing to support the research and supervise the student.

#### 22.11.19.3.2 Application Procedures

Applicants must apply online to Graduate and Postdoctoral Studies at www.mcgill.ca/gradapplicants/apply. Furthermore, they are to submit the required supporting documents including a brief curriculum vitae and a short description of the proposed thesis research (prepared by the student and/or the prospective research director). A letter of intent and a memorandum of agreement are also required from the prospective supervisor. Two copies of all academic transcripts and two letters of recommendation must be mailed directly to the Department. When applicable, official proof of English language proficiency (e.g., TOEFL scores) must be submitted.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

### 22.11.19.4 Surgical Research Faculty

**Director**

L. Rosenberg

**Associate Director**

A. Philip
Administrative & Student Affairs Coordinator
514-934-1934 ext. 42837

Professors
J.D. Bobyn; B.Sc., M.Sc.(McG.), Ph.D.(Tor.)
P. Brodt; B.Sc.(Bar-Ilan), M.Sc.(Ott.), Ph.D.(McG.)
R.C.-J. Chiu; M.B.(Taiwan), Ph.D.(McG.)
N.V. Christou; B.Sc., M.Sc., Ph.D., M.D.,C.M.(McG.)
M.M. Elhilali; M.B., B.Ch., D.S., DU, M.Ch.(Cairo), Ph.D.(McG.)
G.M. Fried; B.Sc., M.D.,C.M.(McG.)
C. Gagnon; B.Sc., M.Sc., Ph.D.(Montr.)
F. Glorieux; M.D.(Louvain), M.Sc.(Montr.), Ph.D.(McG.)
P.H. Gordon; M.D.(Sask.)
J.E. Henderson; Ph.D.(McG.)
J.M. Laberge; M.D.(Laval)
D.S. Mulder; M.D.(Sask.), M.Sc.(McG.)
L. Rosenberg; M.Sc., M.D., Ph.D.(McG.)
P.J. Roughley; B.Sc., Ph.D.(Nott.)
R. St. Arnaud; Ph.D.(Laval)
M. Tanzer; M.D.,C.M.(McG.), F.R.C.S.(C)
C.I. Tchervenkov; B.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)
H.B. Williams; B.A.(Acad.), M.D.,C.M.(McG.)

Associate Professors
J. Antoniou; M.D.,C.M., Ph.D.(McG.), F.R.C.S.(C)
J. Barkun; M.D., M.Sc.(McG.)
O. Blaschuk; B.Sc.(Winn.), M.Sc.(Manit.), Ph.D.(Tor.)
S. Chevalier; B.Sc., M.Sc., Ph.D.(Montr.)
S. Emil; M.D.,C.M.(McG.), F.R.C.S.(C)
L. Feldman; M.D.,C.M., M.Sc.(McG.)
D. Fleiszer; B.Sc., M.D.,C.M.(McG.)
R.C. Hamdy; M.Sc, M.D.(Egypt), F.R.C.S.(C)
E. Harvey; B.Sc.(Ont.) M.D.,C.M., M.Sc.(McG.)
K.J. Lachapelle; M.Sc., M.D.,C.M.(McG.)
L. Lessard; B.Sc., M.D.(Laval), F.R.C.S(C)
S. Meterissian; M.D.,C.M., M.Sc.(McG.)
P. Metrakos; B.Sc., M.D.(McG.), F.R.C.S.C.
J.S. Mort; B.Sc.(McG.), Ph.D.(McM.)
A. Philip; M.Sc., Ph.D.(McG.)
P. Puligandla; M.D., M.Sc.(W. Ont.), F.R.C.S.(C)
J. Sampalis; M.Sc., Ph.D.(McG.)
D. Shum-Tim; M.Sc., M.D.,C.M.(McG.)
T. Steffen; M.D.(Switz.), Ph.D.(McG.)
**Associate Professors**

T. Taketo-Hosotani; B.Sc., M.Sc., Ph.D.(Kyoto)

J.I. Tchervenkov; M.D.,C.M.(McG.), F.R.C.S.(C)

R. Turcotte; M.D.(Montr.)

D. Zukor; B.Sc., M.D.,C.M.(McG.)

**Assistant Professors**

M. Basik; M.D.,C.M.(McG.)

S. Bergman; M.Sc., M.D.,C.M.(McG.), F.R.C.S.(C)

J. Chen; B.Sc.(Chin. Acad. Sci.), Ph.D.(Guelph)

M. Chevrette; B.Sc., M.Sc., Ph.D.(Laval)

N. Eliopoulos; B.Sc.(McG.), M.Sc., Ph.D.(Montr.)

J. Faria; M.D.,C.M., M.Sc.(McG.), F.R.C.S.(C)

L. Ferri; M.D.,C.M., M.Sc.(McG.)

S. Fraser; B.Sc., M.D.(Tor.), M.Sc.(McG.), F.R.C.S.(C)

O. Huk; B.Sc., M.D.,C.M.(McG.), M.Sc.(Montr.)

P. Jarzem; B.Sc., M.D.(Qu.)

J. Lapointe; M.D., Ph.D.(Laval)

E. Lee; B.A.(Boston), M.Sc., Ph.D.(McG.)

S. Paraskoves; M.D., Ph.D.(McG.)

M. Petropavlovskaia; M.Sc., Ph.D.(Moscow)

A.D. Recklies; B.Sc.(McG.), Ph.D.(McM.)

K. Shaw; M.D.,C.M., M.Sc.(McG.)

---

**22.11.19.5 Master of Science (M.Sc.); Experimental Surgery (Thesis) (Surgical Research) (48 credits)**

**Thesis Courses (33 credits)**

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<td>M.Sc. Thesis</td>
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**Required Courses (12 credits)**

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<td>EXSU 605</td>
<td>3</td>
<td>Biomedical Research Innovation</td>
</tr>
<tr>
<td>EXSU 606</td>
<td>3</td>
<td>Statistics for Surgical Research</td>
</tr>
</tbody>
</table>

**Complementary Courses (3 credits)**

3 credits, one graduate-level course in the student's specialty, selected in consultation with the Research Supervisory Committee.

Depending on their individual background, students may be asked by their Research Supervisory Committee to take additional courses.

---

**22.11.19.6 Doctor of Philosophy (Ph.D.); Experimental Surgery (Surgical Research)**

**Thesis**
Required Courses (12 credits)

- EXSU 601 (6) Knowledge Management
- EXSU 605 (3) Biomedical Research Innovation
- EXSU 606 (3) Statistics for Surgical Research
- EXSU 700 (0) Comprehensive Examination

Complementary Course (3 credits)

One graduate-level course in the student's specialty, selected in consultation with the Research Supervisory Committee.

22.11.19.7 Graduate Diploma in Surgical Health Care Research (30 credits)

Project (9 credits)

- EXSU 637 (9) Research Project

Required Courses (9 credits)

- EXSU 601 (6) Knowledge Management
- EXSU 606 (3) Statistics for Surgical Research

Complementary Courses (12 credits)

At least 3 credits from the following courses:

- EPIB 631* (2) Pharmacoepidemiology 2
- EPIB 633* (2) Pharmacoepidemiology 1
- EPIB 656 (3) Health Care Technology Assessment
- EPIB 679 (3) Special Topics 10
- EXMD 631 (3) Topics in Economic Evaluation

Note: EPIB 631 and EPIB 633 must be taken in tandem for a total of four credits.

At least 9 credits from the following courses:

- EPIB 601 (4) Fundamentals of Epidemiology
- EPIB 607 (4) Inferential Statistics
- EPIB 610 (3) Advanced Methods: Causal Inference
- EPIB 631* (2) Pharmacoepidemiology 2
- EPIB 633* (2) Pharmacoepidemiology 1
- EPIB 643 (1) Substantive Epidemiology 3
- EPIB 655 (3) Epidemiology in Public Health
- EPIB 668 (2) Special Topics 1
- EXMD 631 (3) Topics in Economic Evaluation
- POTH 630 (3) Measurement: Rehabilitation 2

Note: EPIB 631 and 633 must be taken in tandem for a total of four credits.
23 School of Nursing

23.1 Dean’s Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master’s degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada’s most intensive research universities and among the world’s top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

23.2 Graduate and Postdoctoral Studies

23.2.1 Administrative Officers

Administrative Officers

Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)
Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)
Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.
Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)
Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)
Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)
Lissa B. Matyas; B.F.A., M.Sc.(C’dia)
Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)
Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)
Associate Dean (Graduate and Postdoctoral Studies)
Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)
Associate Dean (Graduate and Postdoctoral Studies)
Director (Graduate and Postdoctoral Affairs)
Director (Recruitment and Retention)

23.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps
Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

23.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

23.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

23.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

**Agricultural and Environmental Sciences**
- section 14.11.1: Agricultural Economics
- section 14.11.2: Animal Science
- section 14.11.3: Bioresource Engineering
- section 14.11.4: Dietetics and Human Nutrition
- section 14.11.5: Food Science and Agricultural Chemistry
- section 14.11.6: Natural Resource Sciences
- section 14.11.7: Parasitology
- section 14.11.8: Plant Science

**Arts**
- section 15.11.1: Anthropology
- section 15.11.2: Art History
- Classics, see section 15.11.12: History and Classical Studies
- section 15.11.4: Communication Studies
- section 15.11.5: East Asian Studies
- section 15.11.6: Economics
- section 15.11.7: English
- section 15.11.8: French Language and Literature
- section 15.11.9: Geography
- section 15.11.10: German Studies
- section 15.11.11: Hispanic Studies
- section 15.11.12: History and Classical Studies
- section 15.11.13: Institute for the Study of International Development
- section 15.11.14: Islamic Studies
- section 15.11.15: Italian Studies
- section 15.11.16: Jewish Studies
- section 15.11.17: Linguistics
- section 15.11.18: Mathematics and Statistics
- section 15.11.19: Philosophy
Arts
section 15.11.20: Political Science
section 15.11.21: Psychology
section 15.11.23: Russian and Slavic Studies
section 15.11.24: Social Studies of Medicine
section 15.11.25: Social Work
section 15.11.26: Sociology

Dentistry
section 16.11.1: Dentistry

Desautels Faculty of Management
section 17.11: Desautels Faculty of Management

Education
section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering
section 19.11.1: Architecture
section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law
section 20.11.1: Law

McGill School of Environment
section 21.11.1: Environment

Medicine
section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
23.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

<table>
<thead>
<tr>
<th>Program</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Research (Experimental Medicine)</td>
<td>Primary Care Nurse Practitioner</td>
</tr>
<tr>
<td>Epidemiology and Biostatistics</td>
<td>Professional Performance</td>
</tr>
<tr>
<td>Islamic Studies</td>
<td>Public Accountancy (C.A.)</td>
</tr>
<tr>
<td>Library and Information Studies</td>
<td>Registered Dietician Credentialing (R.D.)</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>School and Applied Child Psychology (post-Ph.D.)</td>
</tr>
<tr>
<td>Nursing</td>
<td>Surgical Health Care Research</td>
</tr>
</tbody>
</table>

These diploma programs consist of at least two terms of full-time study or the equivalent.
Graduate Certificates are offered in:

- Assessing Driving Capabilities
- Air and Space Law
- Bioresource Engineering (IWRM)
- Biotechnology
- Comparative Law
- Educational Leadership 1
- Educational Leadership 2
- Library and Information Studies
- Post-M.B.A.
- Teaching English as a Second Language
- Theory in Primary Care
- Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

### 23.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master's degrees are offered (see below for more information about sub-specializations):**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (L.L.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D., C.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (L.L.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

**Master of Architecture Degrees**
M.Arch. programs offered:

M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

Master of Arts Degrees

Programs leading to the degree of Master of Arts are offered in the following areas:

Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
Classics (Thesis and Non-Thesis)
Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
Education (Thesis and Non-Thesis)
English (Thesis and Non-Thesis)
French (Thesis and Non-Thesis); option in Gender and Women's Studies
Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
German Studies (Thesis and Non-Thesis)
Hispanic Studies (Thesis and Non-Thesis)
Islamic Studies; option in Gender and Women's Studies
Italian Studies (Thesis and Non-Thesis)
Jewish Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Linguistics (Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

Master of Business Administration Degrees

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance
Global Strategy and Leadership
Marketing
Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.
M.B.A. with B.C.L. and LL.B.
Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
Educational Psychology (Thesis and Non-Thesis)
Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

Educational Psychology

The M.Sc. may be taken in the following area:

Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.
Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geography; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
- Physics
- Physiology; option in Bioinformatics
- Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
- Psychiatry
- Psychology
- Rehabilitation Sciences (Thesis and Non-Thesis)
- Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
- Surgery, Experimental

Master of Science, Applied, Degrees

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
Occupational Health
Occupational Therapy
Plant Science
Physical Therapy

Other degrees:

Master of Science, Applied (OT)
Master of Science, Applied (PT)

Master of Social Work Degrees
The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

M.S.W. with B.C.L. and LL.B.

Master of Urban Planning Degree
The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

23.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

<table>
<thead>
<tr>
<th>The following doctoral degrees are offered (see below for more information about sub-specializations)</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

Doctor of Civil Law Degrees

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

Doctor of Music Degrees

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

Doctor of Philosophy Degrees

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

Anatomy and Cell Biology
Animal Science; option in Bioinformatics
Anthropology; option in Neotropical Environment
Architecture
Art History; option in Gender and Women's Studies
Atmospheric and Oceanic Sciences
Biochemistry; options in Bioinformatics, and Chemical Biology
Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
Biomedical Engineering; option in Bioinformatics
Bioresource Engineering; options in Environment, and Neotropical Environment
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Classics
Communication Studies; option in Gender and Women's Studies
Communication Sciences and Disorders; option in Language Acquisition
Computer Science; option in Bioinformatics
Counselling Psychology
Earth and Planetary Sciences; option in Environment
Economics
Educational Psychology
Educational Studies; option in Gender and Women's Studies
Electrical Engineering
English
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics
Food Science and Agricultural Chemistry
French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

Nursing (McGill/Université de Montréal)
Management (McGill/Concordia/H.E.C./UQAM)
Social Work (McGill/Université de Montréal)
23.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

23.5 Program Requirements

23.5.1 Master’s Degrees

Residence Requirements – Master’s Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master’s programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master’s programs have a minimum residence requirement of four full-time terms: M.L.I.S., M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master’s program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master’s programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master’s Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study.

The department concerned will examine the student’s previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master’s degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master’s Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master’s program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master’s degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred.


Language Requirements – Master’s Degrees

Most master’s degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master’s degree.

23.5.2 Doctoral Degrees

Residence Requirements – Doctoral
Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

**Comprehensive Examinations – Doctoral**

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

**Language Requirements – Doctoral**

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

**Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

**Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

23.5.3 **Ad Hoc Programs**

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application,
including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

23.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

23.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

23.6 General Admission for Graduate Studies

**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

23.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to, transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.
23.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See [www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency](http://www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency) for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

23.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to [www.ets.org/gre](http://www.ets.org/gre) for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see [www.mba.com/mba/thegmat](http://www.mba.com/mba/thegmat).

23.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
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<tr>
<th>Competency in English</th>
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<tr>
<td>iBT (Internet-based test)</td>
<td>PBT (paper-based test)</td>
<td>CBT (computer-based test)*</td>
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<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
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   N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

2011-2012, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, McGill University (Published September 13, 2011)

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

23.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

23.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

23.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

23.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

23.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question.

Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

23.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.
If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


23.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

23.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)


The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

23.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

23.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).
23.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration

i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions

i. Appointments may not exceed your registration eligibility status.

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.
x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:
   – to verify the Postdoc’s eligibility period for registration;
   – to provide Postdocs with departmental policy and procedures that pertain to them;
   – to oversee the registration and appointment of Postdocs;
   – to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
   – to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
   – to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
   – to include Postdocs in departmental career and placement opportunities;
   – to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
   – to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
   – to provide research guidance;
   – to meet regularly with their Postdocs;
   – to provide feedback on research submitted by the Postdocs;
   – to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
   – to provide mentorship for career development;
   – to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:
   – to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
   – to submit a complete file for registration to Graduate and Postdoctoral Studies;
   – to sign and adhere to their Letter of Agreement for Postdoctoral Education;
   – to communicate regularly with their supervisor;
   – to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:
   – to register Postdocs;
   – to provide an appeal mechanism in cases of conflict;
   – to provide documented policies and procedures to Postdocs;
   – to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

23.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

23.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).
Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

### 23.8.5 Postdoctoral Research Trainees

#### Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

**Category 1:** An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

**Category 2:** An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, and who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

**Note:** individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

#### General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

### 23.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

**Note:** The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.
23.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students’ Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

   i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

   ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

   i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

   ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students’ proposed areas of research or to the development of related areas of scholarship.

   iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

   iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

   v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year’s research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student’s departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

   vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

   vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

   viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

   Each unit should clearly identify the student’s supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

   i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.
ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of
committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on
each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or
scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is
submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines;
to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and
a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a
dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new
supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing
constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the
allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward
those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality
supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the
supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before
submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

23.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an
annual thesis or advisory committee in those departments that have thesis committees

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on
the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student
who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the
progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress
for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the
departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to
sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form
#1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded
on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded,
following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory
evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying
this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:

- be used annually;
- be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
- include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations
  following an unsatisfactory evaluation); 
- permit the student to submit a minority report and not sign;
- state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.
Please note this new University policy is **MANDATORY**. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 23.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

### 23.9.4 Ph.D. Comprehensives Policy

**Preamble**

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. **General Policy**
   
   At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. **Specific Issues**

   **Objectives and Content**

   Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

   - knowledge of the discipline (from the point of view of breadth)
   - understanding of the proposed field of research
   - ability to conduct independent and original research
   - a thesis proposal
   - professional skills
   - ability to present and defend material orally

   The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

   **Format**

   The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

   - written examination of a specific duration
   - take-home examination
   - extended research paper(s)
   - written research proposal
   - oral exam (which may include or consist of a defense of a research paper or research proposal)

   If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

   **Timing**

   Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.
Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

i. **Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. **Plagiarism**

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. **Review and Reassessment**

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

**Other Relevant Policies/Offices**

- Charter of Student Rights
- Graduate Studies Reread Policy
- Office for Students with Disabilities

*Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997*

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**23.9.5 Graduate Studies Reread Policy**

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

**Consultation**
In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader’s task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student’s and the instructor’s names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students’ Rights that the review be impartial. The rereader’s name will not be made known to the student or instructor at any time; the student’s name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching

Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995
During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student’s name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student’s inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student’s responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

23.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

23.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

23.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

23.10.1 Policy on Research Ethics


23.10.2 Regulations on Research Policy


23.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

23.10.4 Guidelines for Research Involving Human Subjects

23.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

23.10.6 Policy on Intellectual Property


23.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

23.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

23.10.9 Office of Sponsored Research


23.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

23.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

23.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

23.11.1 Nursing

23.11.1.1 Location

School of Nursing
Wilson Hall
3506 University Street
Montreal, QC H3A 2A7
Canada

Telephone: 514-398-4144
Fax: 514-398-8455
Website: www.mcgill.ca/nursing

23.11.1.2 About Nursing

The McGill School of Nursing is a professional School within the Faculty of Medicine that has been educating nurses since 1920. The School is internationally recognized for its distinctive vision, leadership in nursing, and the quality of its programs. McGill nursing graduates have earned a reputation as outstanding clinicians, educators, researchers, and leaders in the discipline.

Over the years, the faculty of the School at McGill has worked to formulate a philosophy about the responsibilities and practice of nursing. This philosophy, known as the McGill Model of Nursing, directs the curricula at the School and emphasizes health, the family, learning and development, collaboration with clients and working with the resources of individuals, families, and communities. Its intent is to actively promote health and well-being in people of all ages and across all situations. The McGill Model of Nursing is also central to the McGill University Health Centre's Department of Nursing.

At the graduate level, the School of Nursing offers tailored programs in advanced nursing practice that prepare our students to be leaders in their field. The learning experience at the School is geared to foster individual judgment, creativity, and initiative. Led by nationally recognized researchers, students will
participate in cutting-edge programs of research related to nursing practice, education, and administration. McGill's School of Nursing is for you if you want to contribute to the knowledge base of advanced nursing practice and want to be involved actively in changing how healthcare is delivered locally, nationally, and internationally.

The School is located in Wilson Hall, which houses classrooms, computer facilities, faculty offices, and lounges. A recently renovated Nursing Learning Laboratory, located at University Hall, has seven clinical beds, an ICU bed, and AV capacity for distance education. Students registered in the School also take courses in other faculties within the University. Selected experience in nursing is provided in the McGill University Health Centre, other McGill affiliated hospitals, and in a wide variety of health agencies in Montreal.

For information on undergraduate Nursing programs, please consult the Health Sciences Calendar available at www.mcgill.ca/students/courses/calendars.

**M.Sc.(A.) Program**

There are two points of entry into the M.Sc.(A.) program:

- Non-nurse applicants entering with a B.A. or B.Sc. (Direct-Entry Applicant) (for more information on the M.Sc.(A.) Direct-Entry, visit the School of Nursing website at www.mcgill.ca/nursing/programs/msca-direct-entry).
- Nurse Bachelor Entry (for more information on the M.Sc.(A.) Nurse Bachelor Entry, visit the School of Nursing website at www.mcgill.ca/nursing/programs/msca).

**M.Sc.(A.) Program - Areas of study**

Students entering the master's program may select between two areas of study. The clinical stream is intended to prepare students for clinical nurse specialists or nurse practitioner roles in selected areas. The adjunct area is available for students wishing to plan an individual program of study in such areas as nursing administration, education, or global health.

**Clinical Nurse Specialist**

M.Sc.(A.) Direct-Entry and Nurse Bachelor Entry students both have access to the Clinical Nurse Specialist area of study. Students will develop their knowledge of both qualitative and quantitative research methods, engage in a systematic study of nursing problems, and disseminate knowledge relevant to clinical practice. Career opportunities include family health, cancer care, neuroscience nursing, or critical care.

**Global Health Studies**

This option is available to both Direct-Entry and Nurse Bachelor Entry students. This area of study provides students with global health content throughout the program. In their final year, students complete both clinical and project based components in a global health placement during one semester. Global Health prepares nurses for the challenges of working with diverse populations in limited resource environments. The philosophy stresses the importance of understanding the inherent power dynamics, equity issues, and ethical dilemmas that arise.

**Nursing Services Administration**

Open to both Direct-Entry and Nurse Bachelor Entry students, Nursing Services Administration was developed to allow students to pursue their interest in this area of study. Nurses trained to develop the capacity to assess the factors that impact upon and determine the nursing workforce. This will enable them to make strategic and effective decisions, and influence policy change with regard to the planning and management of the nursing workforce.

**Nurse Practitioner**

The Nurse Practitioner role is new to Quebec, but has been part of North American health care for quite some time. Advanced practice nurses are being asked to take on nurse practitioners roles in which they assume responsibility for tasks related to physical assessment, diagnosis, and treatment within legally sanctioned, pre-determined conditions that have traditionally been exclusive to medical practice.

The School of Nursing offers two specialties within the Nurse Practitioner area of study: neonatology and primary care.

The Nurse Practitioner in Neonatology focuses on the care of newborns across the spectrum of complexity, from tertiary level care through the first years following birth. The coursework is highly concentrated within the area of specialization.

The Nurse Practitioner in Primary Care assumes responsibility for physical assessment and treatment of stable patients. The Primary Care Nurse Practitioner works with patients of all ages with a variety of health concerns.

**Point of entry - applicants with a B.Sc.(N.) or B.N. Degree**

Nurse-applicants to the Nurse Practitioner streams of study in the master's degree program must have completed a bachelor's degree comparable to the undergraduate degrees offered at the McGill School of Nursing (minimum 66 university credits, includes 12 credits in the biological sciences) with a minimum GPA of 3.2/4.0 in previous nursing studies. Applicants must have completed at least two years of practice in clinical fields related to the specialty area within the last five years. An introductory statistics course (3 credits) is required prior to admission to the program.

All nurse applicants are expected to hold current registration in the province or country from which they come. Nurses who are not licensed in Quebec must obtain a special authorization for

**Point of entry - applicants with a master's degree in nursing**

Applicants entering with a master's degree in nursing must have completed a bachelor's degree comparable to the undergraduate degrees offered at the McGill School of Nursing (minimum 66 university credits, includes 12 credits in the biological sciences) with a minimum GPA of 3.2/4.0 in previous nursing studies. Applicants must have completed at least two years of practice in clinical fields related to the specialty area within the last five years. Applicants are expected to hold current registration in the province or country from which they come. Nurses who are not licensed in Quebec must obtain a special authorization for
graduate nurse students from the Order of Nurses of Quebec. Studies may be completed on a part-time basis, i.e., a minimum of 6 credits per term to a maximum of four years.

Students entering with a master’s degree in nursing are required to complete a Graduate Certificate (15 credits) in Theory in Primary Care or Theory in Neonatology, followed by the post-master’s Graduate Diploma (30 credits) in Primary Care or the Graduate Diploma in Neonatology.

N.B. Depending on the nature of courses previously completed in their master’s degree, students will register first as Special students where they will complete 6-12 additional credits from the list below to prepare for entry to the Graduate Certificate programs.

section 23.11.1.5: Master of Science, Applied (M.Sc.A.); Nursing (Non-Thesis) (58 credits)

The objective of this program is to prepare specialists in nursing to be able to participate in the development, implementation, and management of services in all domains of health care. Opportunity is provided for the advanced clinical study of nursing, and for incorporating research and evaluation methods in the investigation of nursing issues.

section 23.11.1.6: Graduate Certificate; Theory in Neonatology (15 credits)

This graduate certificate prepares students with completed graduate studies, comparable to the McGill Master's of Science (Applied) Nursing program, and experience in neonatology to continue their studies in the Graduate Diploma in Neonatal Nurse Practitioner. The program of study focuses on the acquisition of advanced-level knowledge from the biomedical sciences in the context of the nurse practitioner role. The Graduate Certificate Theory in Neonatology and the Graduate Diploma in Neonatal Nurse Practitioner cannot be taken concurrently.

section 23.11.1.7: Graduate Certificate; Theory in Primary Care (15 credits)

This graduate certificate prepares students with completed graduate studies, comparable to the McGill Master's of Science (Applied) Nursing program, and experience in primary care to continue their studies in the Graduate Diploma Primary Care Nurse Practitioner. The program of study focuses on the acquisition of advanced-level knowledge from the biomedical sciences in the context of the nurse practitioner role. The Graduate Certificate Theory in Primary Care and the Graduate Diploma in Primary Care Nurse Practitioner cannot be taken concurrently.

section 23.11.1.8: Graduate Diploma in Neonatal Nurse Practitioner (30 credits)

The diploma is the final step in the student's preparation to assume the new role as nurse practitioner. Students with completed graduate studies in the discipline and experience in neonatology now combine the acquisition of advanced-level knowledge from the biomedical sciences to the application of this knowledge in context. Upon successful completion of the diploma program, candidates are eligible to write the nurse practitioner licensing exam.

section 23.11.1.9: Graduate Diploma in Primary Nurse Practitioner (30 credits)

The diploma is the final step in the student's preparation to assume the new role as nurse practitioner. Students with completed graduate studies in the discipline and experience in primary care now combine the acquisition of advanced-level knowledge from the biomedical sciences to the application of this knowledge in context. Upon successful completion of the diploma program, candidates are eligible to write the nurse practitioner licensing exam.

section 23.11.1.10: Doctor of Philosophy (Ph.D.); Nursing

The School of Nursing of McGill University and the Faculté des Sciences Infirmières of the Université de Montréal offer a joint doctorate program leading to a Ph.D. in Nursing. This program is offered in English at McGill. The program is designed to train nurse scientists who will make a contribution to the advancement of knowledge in the discipline of nursing and assume a leadership role both in the profession and in the health care system.

section 23.11.1.11: Doctor of Philosophy (Ph.D.); Nursing — Psychosocial Oncology

A cross-disciplinary option in Psychosocial Oncology (PSOO) is offered in collaboration with the Departments of Oncology and Psychology and the Schools of Nursing and Social Work. This option is open to doctoral students in the School of Nursing and in the Department of Psychology who are interested in broadening their knowledge of psychosocial issues in oncology.

23.11.1.3 Nursing Admission Requirements and Application Procedures

23.11.1.3.1 Admission Requirements

Proficiency in English

The language of instruction at McGill University is English. Students must write term papers, examinations, and theses in English or in French. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone) must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the TOEFL (Test of English as a Foreign Language – www.ets.org/toefl) or IELTS (International English Language Testing Systems – www.ielts.org) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available. TOEFL exam requirements: a minimum score of 600 (paper-based) or 100 with each component score no less than 20 (Internet-based). IELTS exam requirements: a minimum overall score of 7.5 is required.

Students who have not completed their studies in North America will be asked to arrange for an interview as part of the application process. Please refer to the Graduate and Postdoctoral Studies Regulations and Resources publication available at www.mcgill.ca/study for more information.
CPR and First Aid Requirements in September.

All students must have immunizations completed (or in process for Hepatitis B) and mask fitting by the start of clinical placement.

Nurse applicants to the master’s, certificate/diploma programs may complete their studies on a part-time basis, i.e., minimum of 6 credits per term to a maximum of five years.

International nurse applicants are required to have had experience as nurses in their country of origin and in North America (recommended).

B.A./B.Sc. Applicants to the Master’s Program

Applicants holding a general B.Sc. or B.A., including a number of prerequisite courses, may be admitted to a Qualifying Year. A minimum CGPA (cumulative grade point average) of 3.0 (3.2 is strongly preferred) on a scale of 4.0 is required in order to be considered for entry. Upon successful completion of the Qualifying Year, candidates apply to the master’s program. Persons prepared in a professional discipline other than nursing are not eligible for this program.

Direct-entry applicants must complete their Qualifying Year and the master’s program of study on a full-time basis, i.e., a total of three years. The School considers admissions to this program for the Fall term only.

Nurse Applicants (Nurse Bachelor’s Entry - NBE) to the Master’s Program

Applicants for the master’s degree must have completed a bachelor’s degree in nursing with a minimum CGPA of 3.0 on a scale of 4.0. This preparation must be comparable to that offered in the bachelor’s in nursing programs at McGill that is a minimum of 66 university credits including 12 credits in the biological sciences. Applicants must also have completed an introductory Statistics course (3 credits) prior to entry. Prospective applicants whose undergraduate degree differs from the McGill degree are encouraged to contact the School of Nursing to have the eligibility of their degree assessed. Experience in nursing is strongly recommended.

Graduate Certificates and Graduate Diplomas in Nurse Practitioner

Applicants must hold a bachelor’s degree in Nursing and a master’s degree in Nursing comparable to McGill (the bachelor program must have a minimum of 66 credits including 12 credits in the biological sciences) with a minimum CGPA of 3.2 on a 4.0 scale required. Prior to entry, applicants should have a minimum of two years of experience in Canada in the specialty area over the previous five years.

Students in the Nurse Practitioner program are required to hold a "carte de stage" allowing them to participate in the required clinical practicum at the end of the second year of the program. The carte de stage is granted by the Quebec Order of Nurses (Ordre des infirmières et infirmiers du Québec - OIIQ) to Nurse Practitioner candidates that are licensed in Quebec.

International students must therefore obtain licensure from the OIIQ before submitting their application to the Neonatology or Primary Care Nurse Practitioner programs. Please note that in order to obtain a nursing license in Quebec, one must be proficient in the French language. For more information regarding the OIIQ licensure eligibility criteria, please contact the OIIQ at 514-935-2505.

The Primary Care Nurse Practitioner program delivers some courses in French, making fluency in French a requirement for this program as well.

Ph.D. Program

Applicants admitted to the doctoral program through McGill University must have completed master’s-level studies with either their undergraduate or graduate degree in nursing comparable to McGill. Applicants must have a CGPA of 3.3 on a scale of 4.0 or a high B standing. Highly qualified nurse bachelor's entry students enrolled in the M.Sc.(A.) in the nursing program may be accepted into the Ph.D. program provided they meet its standards.

The School considers admissions to the doctoral program for the Fall term only.

23.11.1.3.2 Registration and Regulations

Official registration through Minerva must be completed prior to the Orientation Session in August. Students registering late for reasons unrelated to the admission procedure are subject to the late payment fee.

New students will be notified by the School of Nursing regarding the Advising/Orientation session held at the end of August. Information related to the selection of the elective courses will also be provided by the School of Nursing.

Returning students are responsible for ensuring that registration is completed according to the University timetable deadlines.

Course Requirements

Students are provided with the course objectives, requirements, and methods of the mean of evaluation at the beginning of each course. Students will not be permitted to write an examination in any course unless they have fulfilled the requirements, including attendance.

O.I.I.Q. Registration or Proof of Licensure

Please visit www.mcgill.ca/nursing/students/clinical for further details.

Vaccination/Immunization and Mask Fitting Requirements

New students in the School of Nursing must refer to the Vaccination Requirements outlined in the General University Information and Regulations in the Health Sciences Calendar. A copy of the immunization form outlining requirements can be found at www.mcgill.ca/studenthealth/forms. Annual flu vaccination is strongly recommended to all health science students. Entry into the McGill University Teaching Hospital Network is dependent on having met the immunization requirements. All students must have immunizations completed (or in process for Hepatitis B) and mask fitting by the start of clinical placement in September.

CPR and First Aid Requirements
Valid First Aid and CPR Certification Health Care Provider (HCP) and Automated External Defibrillation (AED) is required no later than September 15th for all graduate nursing students except for those in the Ph.D. program. Students are responsible for maintaining this certification up-to-date throughout their program of study.

**Achievement Builders – Student Services**

Any student who is experiencing difficulty in meeting course requirements must take advantage of the Achievement Builders program offered through Student Services. Information is available at: [www.mcgill.ca/firstyear/workshops1](http://www.mcgill.ca/firstyear/workshops1).

**Regulations Concerning Clinical Placement Courses**

- Students must be registered with the O.I.I.Q. before they can have access to clinical placements. Students who have not completed the registration procedure cannot commence clinical studies.
- Students must have met the vaccination/immunization requirements prior to commencing clinical studies in September.
- Students are required to purchase equipment such as a stethoscope and physical-assessment equipment. Information is provided at registration or within specific courses.
- Students are expected to demonstrate professional behaviour at all times. The Code of Ethics for Nurses and the McGill University Code of Student Conduct (as outlined in the *Handbook on Student Rights and Responsibilities*) provide guidelines. Professional behaviour is expected in relation to classmates, teachers, patients, and the institutions within which studies take place.
- In any formal documentation, students must identify themselves as a McGill Nursing Student with the respective year of study noted.
- Name badges must be worn at all times in clinical studies. These are ordered in the Fall semester of the first year of studies and the cost is charged directly to the student's fee account. Name badges are ordered through the School of Nursing and students will be required to purchase two sets of name badges in early Fall prior to starting clinical placement. Students must comply with the uniform policy during clinical placements.
- Students must have a photo I.D. taken at the MUHC for their clinical placements there.
- Attendance in clinical courses is mandatory and absences must be discussed with the instructor. Students with repeat absences may be asked to defer clinical studies if progress in the clinical course is compromised.
- Students whose performance in clinical studies does not meet the course objectives will be informed in writing and a learning plan will be developed. Students whose performance is below expectations or who are unsafe in clinical studies may be required to withdraw from the course at any time.
- Students whose academic performance is below expectation or considered to be incompetent or unsafe in clinical studies can be required to withdraw from the course at any time – in such cases the student will receive a grade of WF or F.
- While an effort is made to place students within reasonable travelling distance for clinical studies, each student must budget a sum of money to travel to and from a patient home and clinical institutions.
- Clinical courses that are offered during the Summer session may require that students study during the day or evening.
- Clinical agencies may require students entering their facility to undergo a Criminal Reference Check prior to being granted permission to enter their facility.

**Requirements for Licensure**

Following completion of a first-level program in nursing, graduates must obtain licensure from the professional organization in the province or state in which they complete their studies. Visit [www.mcgill.ca/nursing/students/licensure](http://www.mcgill.ca/nursing/students/licensure) for further information.

**23.11.1.3 Application Procedures**

McGill's online application for graduate program candidates is available at [www.mcgill.ca/gradapplicants/apply](http://www.mcgill.ca/gradapplicants/apply).

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: [www.mcgill.ca/gradapplicants/programs](http://www.mcgill.ca/gradapplicants/programs). Then select the appropriate program. For information on the application process as well as the supporting documents required in addition to the Minerva online application, please visit our Nursing website at [www.mcgill.ca/nursing/programs](http://www.mcgill.ca/nursing/programs) then select the program of study applicable to you.

**23.11.1.4 Nursing Faculty**

**Vice-Principal (Health Affairs) and Dean of the Faculty of Medicine**

Richard I. Levin

**Associate Dean, Faculty of Medicine and Director, School of Nursing**

Hélène Ezer

**Assistant Director, School of Nursing, and Graduate Programs Director**

Franco Carnevale

**Assistant Director, School of Nursing, and Ph.D. Program Director**

Margaret Purden
### Associate Director, Research

TBA

### Emeritus Professors

Susan E. French; N., B.N.(McG.), M.S.(Boston), Ph.D.(Tor.), Ph.D.(McM.)

C. Céleste Johnston; N., B.N., M.S.(Boston), D.Ed.(McG.)

Elizabeth C. Logan; N., B.Sc.(Acad.), M.Sc.(Yale)

### Professors

Franco Carnevale; N., B.Sc.(N.), M.Sc.(A.), M.Ed., Ph.D.(McG.)

Nancy Frasure-Smith; B.A., Ph.D.(Johns Hop.) *(part-time)*

Laurie N. Gottlieb; N., B.N., M.Sc.(A.), Ph.D.(McG.) *(Shaw Professor of Nursing)*

### Associate Professors


Hélène Ezer; N., B.Sc.(N.), M.Sc.(A.)(McG.), Ph.D.(Montr.)

Nancy Feeley; N., B.Sc.(N.), M.Sc.(A.), Ph.D.(McG.)

Anita J. Gagnon; N., B.Sc.(N.), M.P.H., Ph.D.(McG.)

Mélanie Lavoie-Tremblay; N., B.Sc.(N.), M.Sc.(N.), Ph.D.(Laval), Post Doc.(Tor.)

Carmen G. Loiselle; N., B.Sc.(N.)(Montr.), M.S., Ph.D.(Wisc.-Madison)

Margaret Purden; N., B.Sc.(N.), Ph.D.(McG.)

### Assistant Professors

Marcia Beaulieu; N., B.Sc., M.Sc.(A.), Ph.D.(McG.)

Madeleine M. Buck; N., B.Sc.(N.), M.Sc.(A.)(McG.)

Céline Gélinas; N., B.Sc.(N.), M.Sc.(N.), Ph.D.(Laval), Post Doc.(McG.)

Catherine P. Gros; N., B.Sc.(Mass.), M.Sc.(A.)(McG.) *(part-time)*

Sonia Semenic; N., B.A., M.Sc.(A.), Ph.D.(McG.)

### Faculty Lecturers

Cheryl Armistead; N., B.Sc.(N.), M.Sc.(N.)(Ott.)

Maria Di Feeo; N., B.Sc.(N.)(Montr.)

Elaine Doucette; N., B.Sc.(C'dia), B.Sc.(N.), M.Sc.(N.)(Ott.)

Françoise Filion; N., B.Sc.(N.), M.Sc.(N.)(Montr.)

Shari Patricia Gagné; N., B.Sc.(N.)(Ott.), M.Sc.(A.)(McG.)


Sandie Larouche; N., B.Sc.(N.)(Laval), M.Sc.(A.)(McG.)

Norma Ponzoni; N., B.Sc.(N.), M.Sc.(N.), Ph.D.(c)(Montr.)

Rosalia Sanzone; N., B.Sc.(N.), M.Sc.(A.)(McG.)

### Instructor

Diana Gausden; N., SCPHN(Southbank Univ., Lond.) *(part-time)*

### Contracted Faculty (part-time)

Patricia Alfaro; N., B.N.(I.)(McG.)
<table>
<thead>
<tr>
<th>Contracted Faculty (part-time)</th>
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<tbody>
<tr>
<td>Rosetta Antonacci; N., M.Sc.(Admin.)(Laval)</td>
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<tr>
<td>Tracy Ayow; N., B.Sc.(Tor.), M.Sc.(A.)(McG.)</td>
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<td>Mihaela Balan; N., B.Sc.(Montr.)</td>
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<tr>
<td>Jane Chambers-Evans; N., B.Sc.(N.), M.Sc.(A.)(McG.)</td>
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<td>Lynne Chlala; B.A., L.L.B.(McG.)</td>
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<td>Claudia Cinquino; N., B.Sc.(N.)(Montr.)</td>
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<td>Hermes Cornejo; N., B.Sc.(N.)(Chile), M.Sc.(N.)(Montr.)</td>
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<td>Hedda Coronado; N., B.Sc.(N.)(Philippines)</td>
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<td>Kimani Daniel; N., B.Sc., M.Sc.(A.)(McG.)</td>
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<td>Laurence Diffels; N. B.N.(Haute École André Vesale, Liege, Belgium), M.P.H.(Univ. Liege)</td>
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<td>Susan Drouin; N., B.N.(New Br.), M.Sc.(A.)(McG.)</td>
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<td>Margaret Eades-Langston; N., B.N., M.Sc.(A.)(McG.)</td>
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<td>Moira Edwards; N., B.A.(C'dia), M.Ed.(McG.)</td>
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<td>Anelise Espirito Santo; N., B.Sc., M.Sc.(A.)(McG.)</td>
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<td>Ruth-Lynn Fortuné; N., B.Sc.(N.)(Montr.)</td>
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<td>Pascale Fulcher; N.</td>
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<td>Elizabeth Garfunkel-Katz; N., B.Sc.(N.)(McG.)</td>
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<td>Kelly-Ann Grace; N., B.N.(I.)(McG.)</td>
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<td>Karine Guay; N. B.Sc.(N.)(Laval)</td>
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<td>Selam Gurmu; N., B.Sc.(N.)</td>
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<td>Christiane Honene; N., B.N.(I.)(McG.)</td>
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<td>Catherine Anne Kierans; N., B.A.(Loyal C.), M.A.(York)</td>
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<td>Donna Kindrat; N., B.Sc.(N.)(Ott.)</td>
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<td>Julia Kinnon-Shaw; N.</td>
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<td>Anne-Marie Lancot; N., B.A., M.Sc.(A.)(McG.)</td>
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<td>Rachel Lomas; N., B.Sc.(Qu.), M.Sc.(A.)(McG.)</td>
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<tr>
<td>Mary Ellen Macdonald; B.A.(McG.), M.A.(Dal.), Ph.D., Post Doc.(McG.)</td>
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<td>Caroline Marchionni; N., B.Sc.(McG.), M.Sc.(John M.), M.Sc.(A.)(McG.)</td>
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<td>Linda McHarg; N., B.N., M.Ed.(McG.), Ph.D.(Montr.)</td>
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<td>Anita Mehta; N., B.Sc.(N.), M.Sc.(A.), Ph.D.(McG.)</td>
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<td>Sharon Mooney; N., B.A.(C'dia), B.Sc.(N.)(Br. Col.), M.A.(C'dia)</td>
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<td>Linda Morneault; N., B.Sc.(N.)(McG.), M.Sc.(SUNY)</td>
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<td>Frederick Peter Nestel; B.Sc.(McG.), M.Sc.(Qu.), Ph.D.(McG.)</td>
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<td>Amy Nyland; B.A.(Alta.), M.Sc.(A.)(McG.)</td>
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<td>Karina Olivo; N., B.N.(Manit.)</td>
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<td>Mary Owen; N., B.A.(C'dia), B.Sc.(N.)(Br. Col.)</td>
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<td>Josette Perreault; N., B.N.(McG.)</td>
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<td>Line Pharand; N.</td>
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<td>Joanne Power; N., B.Sc.(N.)(PEI), M.Sc.(N.)(Ott.)</td>
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<td>Elissa Remmer; N., B.Sc., M.Sc.(A.)(McG.)</td>
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<tr>
<td>Janet Rennick; N., B.Sc.(N.)(W. Ont.), M.Sc.(N.)(Tor.), Ph.D.(McG.)</td>
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<tr>
<td>Ramona Rodrigues; N., B.Sc., M.Sc.(A.)(McG.)</td>
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### Contracted Faculty (part-time)
- Melanie Sabbagh; N., B.Sc.(N.), M.Sc.(A.)(McG.)
- Irene Sarasua; N., B.A.(Tor.), M.Sc.(A.)(McG.)
- Sarah Shea; N., B.Sc.(N.)(McG.)
- Candace Smith; N., B.N.(Collaborative)(Ctr for Nursing Studies, St. John's)
- Susan Takahashi; N., B.Sc.(Vic., BC), M.Sc.(A.)(McG.)
- Anna Tazian; N., B.Sc.(N.), M.P.H.(Beirut)
- Brett Thombs; B.A.(N'western), M.A.(Ariz.), M.A., Ph.D.(Fordham), Post Doc.(Johns Hop.)
- Geneviève Tousignant; N., B.Sc.(N.)(Montr.), M.Sc.(A.)(McG.)
- Jodi Tuck; N., B.Sc.(McM.), M.Sc.(A.)(McG.)
- Gerald van Gurp; B.A., M.D.,C.M.(Dal.)
- Catherine Vanier; N., B.N.(L)(McG.)
- Cania Vincelli; N., B.N., M.Sc.(N.)(Montr.)
- Barbara Webster; N., B.Sc.(N.)(Ott.), M.Sc.(A.)(McG.)
- David Wright; N., B.Sc., M.Sc.(A.)(McG.), Ph.D.(c)(Ott.)
- Rosanna Zappavigna; N., B.Sc.(N.), M.Ed.(McG.)

### McGill University Health Centre (MUHC)
- Lachine Hospital & Camille-Lefebvre Pavillon
- Montreal Chest Institute
- Montreal Children’s Hospital
- Montreal General Hospital
- Montreal Neurological Institute
- Royal Victoria Hospital

### McGill University Teaching Hospitals and Affiliated Centres (MUHC)
- Douglas Mental Health University Institute
- Jewish General Hospital
- Shriner’s Hospital for Children
- St. Mary’s Hospital Centre

### Other Teaching Centres
- Addington Addiction Centre
- Batshaw Youth and Family Centre
- Catherine Booth Hospital
- Concordia University Health Clinic
- CSSS Ahuntsic-Montreal Nord
- CSSS Bordeaux-Cartierville-St. Laurent
- CSSS Cavendish (CLSC NDG-MTL Ouest, CLSC René Cassin, Henri-Bradet Day Center, Julius Richardson, GMF Queen Elizabeth)
- CSSS de la Montagne (CLSC Côte des Neiges, CLSC Metro, CLSC Parc Extension)
- CSSS de l'Ouest de l'île (CLSC Pierrefonds, CLSC Lac St. Louis, Lakeshore General Hospital)
- CSSS Dorval-Lachine-Lasalle (CLSC Lasalle, CLSC Dorval-Lachine)
- CSSS Jardins-Rousillion (CLSC Kateri, CLSC Châteauguay)
- CSSS Lucille-Teasdale
Other Teaching Centres

CSSS Pointe de l'île
CSSS St. Leonard-St. Michel
CSSS Sud Ouest Verdun (CLSC St. Henri, CLSC Verdun, CLSC Ville Emard-Côte St. Paul, Hôpital Verdun)
Jewish Eldercare Centre
Jewish Rehabilitation Hospital
Kanesatake Health Center
Kateri Memorial Hospital
Maimonides Hospital Geriatric Centre
Manoir Montefiore
Manoir Westmount
Mount Sinai Hospital
Salvation Army Montclair Residence
Ste. Anne's Veteran Hospital
Tiny Tots Medical Centre
Tulattavik Health Centre Kuujjuaq
West Island Palliative Care Residence
West Montreal Readaptation Centre

International Sites

A range of international placement sites is collated by the Clinical Placement Coordinators

Directors of Nursing Research in Teaching Hospitals

MUHC – Judith Ritchie
Jewish General Hospital – Margaret Purden

Clinical and Affiliated Faculty Members:

Professors
Susan E. French, C. Celeste Johnston, Judith Ritchie

Associate Professors
Jane Chambers-Evans, Lynne McVey, Frederick Peter Nestel, Carolyn Pepler, Edith Zorychta

Assistant Professors

Faculty Lecturers

810  2011-2012, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, McGill University (Published September 13, 2011)
Adjunct Professor
Bruce Gottlieb

Associate and Affiliate Members

Clinical Instructors
Stephanie Allain, Claudine Allard, Joyce Marie Arsenault, John Atkins, Theresa Broda, Daniel Carpenter, Joanne Côté, Oriiz Cuffaro, Antoinette Ehrler, Suzie Gagnon, Micheline Gaudet, Tara Jesion, Celestine Kamdon, Donna Kindrat, Sheila Koutsogiannopoulos, Linda Mai Lee, Catherine Lloyd, Farah Michel, Sharron Runions, Chantal Souligny, Vida Stubernik, Marika Swidzinski, Diana Taddeo, Barbara Ann Taugher, Teresa Testa, Patrick Vaillant

23.11.1.5 Master of Science, Applied (M.Sc.A.); Nursing (Non-Thesis) (58 credits)
(45-58 credits)
This program has six streams: the Nurse Bachelor Entry (Adjunct) program comprising 50 credits; the Nurse Bachelor Entry (Clinical) program comprising 49 credits; the Direct-Entry (Clinical) program comprising 55 credits; the Direct-Entry (Global Health Studies) program comprising 58 credits; the Nurse Bachelor Entry (Global Health Studies) program comprising 51 credits; and the Nurse Bachelor Entry (Nurse Practitioner) comprising 45 credits.

Required Courses - All Streams (21 credits)
NUR2 515 (3) Applied Statistics for Nursing
NUR2 611D1 (3) Seminar in Nursing
NUR2 611D2 (3) Seminar in Nursing
NUR2 612 (3) Research Methods in Nursing 1
NUR2 626 (3) Professional Issues in Nursing
NUR2 630 (3) Clinical Project 1
NUR2 642 (3) Ethics in Advanced Practice

Complementary Courses (37 credits)
(24-37 credits)
34 credits - Direct-Entry students (Clinical)
28 credits - Nurse-Bachelors Entry students (Clinical)
24 credits - Nurse-Bachelors Entry students (Nurse Practitioner)
29 credits - Nurse-Bachelors Entry students (Adjunct)
37 credits - Direct Entry students (Global Health Studies)
30 credits - Nurse-Bachelor Entry students (Global Health Studies)

Students should consult with the Program Adviser regarding the recommended courses for each stream of study. Students take the appropriate number of credits from the following list of courses:

Note: Students may take NUR2 644 or NUR2 645 or NUR2 646 or NUR2 647.
NUR2 613D1 (3) Clinical Practicum
NUR2 613D2 (3) Clinical Practicum
NUR2 614D1 (3) Clinical Laboratory - Nursing 1
NUR2 614D2 (3) Clinical Laboratory - Nursing 1
NUR2 615 (3) Health Care Evaluation
NUR2 616 (4) Advanced Clinical Skills
NUR2 623 (3) Clinical Assessment and Therapeutics
NUR2 624 (4) Clinical Laboratory in Nursing 2
NUR 625 (6) Clinical Laboratory in Nursing 3
NUR 627 (3) Nursing Practicum
NUR 628 (4) Advanced Assessment
NUR 631 (3) Clinical Project 2
NUR 632 (2) Clinical Project 3
NUR 640 (3) Clinical Reasoning 1
NUR 641 (3) Clinical Reasoning 2
NUR 643 (3) Role Development
NUR 644 (3) Special Topics 1
NUR 645 (3) Special Topics 2
NUR 646 (3) Special Topics 3
NUR 647 (3) Special Topics 4
NUR 660 (4) Reasoning in Neonatology 1
NUR 661 (4) Reasoning in Neonatology 2
NUR 662 (3) Reasoning in Neonatology 3
NUR 670 (4) Reasoning in Primary Care 1
NUR 671 (4) Reasoning in Primary Care 2
NUR 672 (3) Reasoning in Primary Care 3

or any other graduate-level courses in consultation with the Faculty Adviser.

23.11.1.6 Graduate Certificate; Theory in Neonatology (15 credits)

Required Courses (15 credits)

NUR 628 (4) Advanced Assessment
NUR 660 (4) Reasoning in Neonatology 1
NUR 661 (4) Reasoning in Neonatology 2
NUR 662 (3) Reasoning in Neonatology 3

23.11.1.7 Graduate Certificate; Theory in Primary Care (15 credits)

The Graduate Certificate in Theory in Primary Care prepares students to acquire the theoretical knowledge required to subsequently complete clinical courses in the Graduate Diploma in Primary Care. This program is designed for students who previously completed a Masters degree in nursing, (equivalent to the McGill M.Sc.(A) in nursing program) but have not completed any nurse practitioner theory or clinical courses. Students will need to complete 6-12 credits in preparatory theory courses prior to entry into the Graduate Certificate program (the specific number of preparatory courses required will depend on whether some of the required courses were completed in their Masters degree).

Required Courses (15 credits)

NUR 628 (4) Advanced Assessment
NUR 670 (4) Reasoning in Primary Care 1
NUR 671 (4) Reasoning in Primary Care 2
NUR 672 (3) Reasoning in Primary Care 3

23.11.1.8 Graduate Diploma in Neonatal Nurse Practitioner (30 credits)

This program was formerly the Graduate Diploma in Nursing.

Required Courses (30 credits)
**23.11.1.9 Graduate Diploma in Primary Nurse Practitioner (30 credits)**

Delineates a clinical course of study in primary care as a nurse practitioner that builds on theoretical preparation in either a master's or certificate program.

**Required Courses (30 credits)**

- NUR2 616 (4) Advanced Clinical Skills
- NUR2 624 (4) Clinical Laboratory in Nursing 2
- NUR2 650D1 (11) Neonatology Internship
- NUR2 650D2 (11) Neonatology Internship

**23.11.1.10 Doctor of Philosophy (Ph.D.); Nursing**

A student who has obtained a master's degree at McGill University or at an approved institution elsewhere may, on the recommendation of the School, be registered in the second year of the Ph.D. program.

Each student's program is designed with the thesis supervisor taking into account the student's previous academic preparation, needs, and research interests.

**Thesis**

**Required Courses**

A minimum of 18 credits beyond the master's level. Courses and seminars in research design, issues of measurement, advanced nursing, development of theory in nursing, advanced statistics, and complementary course(s) in the student's major field of study are compulsory. The student's program is decided in consultation with the thesis supervisor.

The following table outlines the suggested sequence of courses for the program:

**Ph.D. Year 2:**

- NUR2 702 (3) Quantitative Research
- NUR2 703 (3) Issues of Measurement
- NUR2 730 (3) Theory Development in Nursing

Selected courses (Statistics, complementary, or substantive courses).

**Ph.D. Year 3:**

- NUR2 701 (1) Comprehensive Examination
- NUR2 780 (3) Advanced Nursing

Selected courses (Statistics, complementary, or substantive courses).

Note: A minimum of 3 credits in advanced statistics and substantive courses is planned with the thesis supervisor.

**23.11.1.11 Doctor of Philosophy (Ph.D.); Nursing — Psychosocial Oncology**

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the P.S.O. coordinating committee.

**Thesis**

**Required Courses**

- NUR2 701 (1) Comprehensive Examination
NUR2 702 (3) Quantitative Research
NUR2 703 (3) Issues of Measurement
NUR2 705 (3) Palliative Care in Cancer
NUR2 730 (3) Theory Development in Nursing
NUR2 780 (3) Advanced Nursing
NUR2 783 (3) Psychosocial Oncology Research

Selected course(s) (Statistics)*

*Note: A minimum of 3 credits in advanced statistics.

Complementary Courses

One of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 507</td>
<td>3</td>
<td>Emotions, Stress, and Illness</td>
</tr>
<tr>
<td>PSYC 753</td>
<td>3</td>
<td>Health Psychology Seminar 1</td>
</tr>
<tr>
<td>SWRK 609</td>
<td>3</td>
<td>Understanding Social Care</td>
</tr>
<tr>
<td>SWRK 668</td>
<td>3</td>
<td>Living with Illness, Loss and Bereavement</td>
</tr>
</tbody>
</table>

24 School of Physical and Occupational Therapy

24.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreisswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

24.2 Graduate and Postdoctoral Studies

24.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreisswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td></td>
</tr>
</tbody>
</table>
Administrative Officers

Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)
Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.
Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)
Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)
Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)
Lissa B. Matyas; B.F.A., M.Sc.(C’dia)

Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)
Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.
Associate Dean (Graduate and Postdoctoral Studies)
Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)
Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)
Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)
Associate Dean (Graduate and Postdoctoral Studies)
Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)
Director (Graduate and Postdoctoral Affairs)

24.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

24.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

24.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

24.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

**Agricultural and Environmental Sciences**

- section 14.11.1: Agricultural Economics
- section 14.11.2: Animal Science
- section 14.11.3: Bioresource Engineering
- section 14.11.4: Dietetics and Human Nutrition
- section 14.11.5: Food Science and Agricultural Chemistry
- section 14.11.6: Natural Resource Sciences
- section 14.11.7: Parasitology
- section 14.11.8: Plant Science

**Arts**

- section 15.11.1: Anthropology
- section 15.11.2: Art History

Classics, see section 15.11.12: History and Classical Studies
<table>
<thead>
<tr>
<th>Arts</th>
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<tbody>
<tr>
<td>section 15.11.4: Communication Studies</td>
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<tr>
<td>section 15.11.5: East Asian Studies</td>
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<tr>
<td>section 15.11.6: Economics</td>
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<td>section 15.11.7: English</td>
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<tr>
<td>section 15.11.8: French Language and Literature</td>
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<td>section 15.11.9: Geography</td>
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<tr>
<td>section 15.11.10: German Studies</td>
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<td>section 15.11.11: Hispanic Studies</td>
<td></td>
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<tr>
<td>section 15.11.12: History and Classical Studies</td>
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<tr>
<td>section 15.11.13: Institute for the Study of International Development</td>
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<td>section 15.11.14: Islamic Studies</td>
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<td>section 15.11.15: Italian Studies</td>
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<td>section 15.11.16: Jewish Studies</td>
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<tr>
<td>section 15.11.17: Linguistics</td>
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<tr>
<td>section 15.11.18: Mathematics and Statistics</td>
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<tr>
<td>section 15.11.19: Philosophy</td>
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<tr>
<td>section 15.11.20: Political Science</td>
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<tr>
<td>section 15.11.21: Psychology</td>
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<tr>
<td>section 15.11.23: Russian and Slavic Studies</td>
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<tr>
<td>section 15.11.24: Social Studies of Medicine</td>
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<tr>
<td>section 15.11.25: Social Work</td>
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<tr>
<td>section 15.11.26: Sociology</td>
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<table>
<thead>
<tr>
<th>Dentistry</th>
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</thead>
<tbody>
<tr>
<td>section 16.11.1: Dentistry</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Desautels Faculty of Management</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>section 17.11: Desautels Faculty of Management</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Education</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>section 18.11.1: Educational and Counselling Psychology</td>
<td></td>
</tr>
<tr>
<td>section 18.11.2: Information Studies</td>
<td></td>
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<tr>
<td>section 18.11.3: Integrated Studies in Education</td>
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<tr>
<td>section 18.11.4: Kinesiology and Physical Education</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Engineering</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>section 19.11.1: Architecture</td>
<td></td>
</tr>
<tr>
<td>section 19.11.2: Chemical Engineering</td>
<td></td>
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<tr>
<td>section 19.11.3: Civil Engineering and Applied Mechanics</td>
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<tr>
<td>section 19.11.4: Electrical and Computer Engineering</td>
<td></td>
</tr>
<tr>
<td>section 19.11.5: Mechanical Engineering</td>
<td></td>
</tr>
<tr>
<td>section 19.11.6: Mining and Materials Engineering</td>
<td></td>
</tr>
<tr>
<td>section 19.11.7: Urban Planning</td>
<td></td>
</tr>
</tbody>
</table>
Law

section 20.11.1: Law

McGill School of Environment

section 21.11.1: Environment

Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research

Religious Studies

section 25.11.1: Religious Studies

Schulich School of Music

section 26.11.1: Schulich School of Music

Science

section 27.11.1: Atmospheric and Oceanic Sciences
section 27.11.2: Biology
section 27.11.3: Chemistry
section 27.11.4: Computer Science
section 27.11.5: Earth and Planetary Sciences
section 15.11.9: Geography
section 15.11.18: Mathematics and Statistics
section 27.11.8: Physics
section 15.11.21: Psychology
24.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

<table>
<thead>
<tr>
<th>Clinical Research (Experimental Medicine)</th>
<th>Primary Care Nurse Practitioner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epidemiology and Biostatistics</td>
<td>Professional Performance</td>
</tr>
<tr>
<td>Islamic Studies</td>
<td>Public Accountancy (C.A.)</td>
</tr>
<tr>
<td>Library and Information Studies</td>
<td>Registered Dietician Credentialing (R.D.)</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>School and Applied Child Psychology (post-Ph.D.)</td>
</tr>
<tr>
<td>Nursing</td>
<td>Surgical Health Care Research</td>
</tr>
</tbody>
</table>

These diploma programs consist of at least two terms of full-time study or the equivalent.

**Graduate Certificates are offered in:**

<table>
<thead>
<tr>
<th>Assessing Driving Capabilities</th>
<th>Educational Leadership 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air and Space Law</td>
<td>Library and Information Studies</td>
</tr>
<tr>
<td>Bioresource Engineering (IWRM)</td>
<td>Post-M.B.A.</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Teaching English as a Second Language</td>
</tr>
<tr>
<td>Comparative Law</td>
<td>Theory in Primary Care</td>
</tr>
<tr>
<td>Educational Leadership 1</td>
<td>Theory in Neonatology</td>
</tr>
</tbody>
</table>

All graduate regulations apply to graduate diploma and certificate candidates.

24.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master’s degrees are offered (see below for more information about sub-specializations):**

<table>
<thead>
<tr>
<th>Master of Architecture (M.Arch)</th>
<th>Master of Business Administration (M.B.A.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
</tbody>
</table>

**Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (L.L.B.)**

<table>
<thead>
<tr>
<th>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</th>
<th>See Management.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Laws (L.L.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
</tbody>
</table>
The following master’s degrees are offered *(see below for more information about sub-specializations)*:

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (L.L.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

**Master of Architecture Degrees**

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian

**Master of Business Administration Degrees**
A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance
Global Strategy and Leadership
Marketing
Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D., C.M.
M.B.A. with B.C.L. and L.L.B.
Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis); Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
Educational Psychology (Thesis and Non-Thesis)
Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

Educational Psychology

The M.Sc. may be taken in the following area:

Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

Aerospace Engineering (Project)
Biomedical Engineering; option in Bioinformatics
Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law

The degree of Master of Laws is offered in:

Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music
Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geophysics; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Psychiatry
Psychology
Rehabilitation Sciences (Thesis and Non-Thesis)
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
Surgery, Experimental

**Master of Science, Applied, Degrees**

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

**Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and L.L.B.

**Master of Urban Planning Degree**

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

### 24.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

**The following doctoral degrees are offered (see below for more information about sub-specializations):**

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master’s degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

**Doctor of Civil Law Degrees**
Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

**Doctor of Music Degrees**

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

**Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
- Electrical Engineering
- English
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics
- Food Science and Agricultural Chemistry
- French; option in Gender and Women's Studies
- Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
- German
- Hispanic Studies
- History
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Information Studies
- Islamic Studies; option in Gender and Women's Studies
- Linguistics; option in Language Acquisition
- Management
- Mathematics and Statistics; option in Bioinformatics
- Mechanical Engineering
- Medicine, Experimental; option in Environment
- Microbiology and Immunology
- Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
- Mining and Materials Engineering
- Music; option in Gender and Women's Studies
- Neuroscience
- Nursing; option in Psychosocial Oncology
- Occupational Health Sciences
- Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

- Nursing (McGill/Université de Montréal)
- Management (McGill/Concordia/H.E.C./UQAM)
- Social Work (McGill/Université de Montréal)

24.4.4 Postdoctoral Research

See section 14.8; Postdoctoral Research for information about postdoctoral research at McGill University.

24.5 Program Requirements

24.5.1 Master's Degrees

Residence Requirements – Master's Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a minimum residence requirement of four full-time terms: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study.

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.
The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

24.5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.
Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French. Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

### Thesis – Doctoral

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

### Thesis Oral Examination – Doctoral

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

#### 24.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

#### 24.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

#### 24.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

#### 24.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants

Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships,
where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

24.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

24.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

24.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

24.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.

3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).

4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
<td></td>
</tr>
</tbody>
</table>

N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.

3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.

4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.

5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.

6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.


In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

24.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission to the program for which they seek qualification. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

24.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

24.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

24.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.
Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

24.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

24.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


24.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

24.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimpl/js/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can
be found at [www.mels.gouv.qc.ca/ens-sug/ens-univ/droits_scolarite-A_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sug/ens-univ/droits_scolarite-A_pays-organisations.pdf), are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp](http://www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp). The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW’s) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

### 24.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

#### 24.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

#### 24.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. **Definition and Status**
   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. **Registration**
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfil the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.
   ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. **Appointment, Pay, Agreement of Conditions**
   i. Appointments may not exceed your registration eligibility status.
   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at [www.mcgill.ca/gps/commitments](http://www.mcgill.ca/gps/commitments) and supporting document – commitments for Postdoctoral Scholars and Supervisors at [www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf](http://www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf)). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.
   iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.
   v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.
4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the *Handbook on Student Rights and Responsibilities* (“Green Book”), available at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students).

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the *Handbook on Student Rights and Responsibilities* (“Green Book”), available at [www.mcgill.ca/secretariat/policies/students](http://www.mcgill.ca/secretariat/policies/students).

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

- to verify the Postdoc’s eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
- to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
- to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include Postdocs in departmental career and placement opportunities;
- to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

- to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
- to provide research guidance;
- to meet regularly with their Postdocs;
- to provide feedback on research submitted by the Postdocs;
- to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
- to provide mentorship for career development;
- to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

- to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the *Handbook on Student Rights and Responsibilities* and the *General Information, Regulations and Research Guidelines* Calendar of Graduate and Postdoctoral Studies;
- to submit a complete file for registration to Graduate and Postdoctoral Studies;
- to sign and adhere to their Letter of Agreement for Postdoctoral Education;
- to communicate regularly with their supervisor;
- to inform their supervisor of their absences.
24.8.3 **Vacation Policy for Graduate Students and Postdocs**

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

24.8.4 **Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see *section 14.9.6: Health and Parental/Familial Leave of Absence Policy*).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to the department and submit a medical certificate. The department shall forward the request to GPS. See procedure under *section 14.9.6: Health and Parental/Familial Leave of Absence Policy*. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at [www.mcgill.ca/gps/postdocs/becoming/leave](http://www.mcgill.ca/gps/postdocs/becoming/leave) under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

24.8.5 **Postdoctoral Research Trainees**

**Eligibility**

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

**Category 1:** An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

**Category 2:** An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

*Note:* individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

**General Conditions**

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

24.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

24.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review
progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

24.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.cagps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms. Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to
sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:
   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

Senate, September 2003

24.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

24.9.4 Ph.D. Comprehensives Policy

Preamble
The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. Specific Issues

Specific Issues

Objectives and Content

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally
The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student's performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

i. **Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. **Plagiarism**

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. **Review and Reassessment**

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.
A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

Charter of Student Rights
Graduate Studies Reread Policy
Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

24.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not
wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching
Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

24.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill’s “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

24.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

24.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

24.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.
24.10.1 Policy on Research Ethics


24.10.2 Regulations on Research Policy


24.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

24.10.4 Guidelines for Research Involving Human Subjects


24.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

24.10.6 Policy on Intellectual Property


24.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

24.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

24.10.9 Office of Sponsored Research


24.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

24.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

24.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

24.11.1 Physical and Occupational Therapy

24.11.1.1 Location

School of Physical and Occupational Therapy
3654 Promenade Sir-William-Osler
Montreal, QC H3G 1Y5
Canada
Directors

Director – Annette Majnemer; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)

Academic Director, Physical Therapy – Judith Soicher; B.Sc.(P.T.), B.Sc.(L.S.), M.Sc., Ph.D.(McG.)

Email: profmasters.pot@mcgill.ca

Academic Director, Occupational Therapy – Bernadette Nedelec; B.Sc.(O.T.), Ph.D.(Alta.)

Email: profmasters.pot@mcgill.ca

Academic Associate Director, Occupational Therapy – Aliki Thomas; B.Sc.(O.T.), M.Ed., Ph.D.(McG.)

Email: profmasters.pot@mcgill.ca

Academic Director, Graduate Programs – Isabelle Gélinas; B.Sc.(O.T.)(Montr.), M.Sc.(Virg.), Ph.D.(Rehab.Sc.)(McG.)

Email: graduate.rehabilitation@mcgill.ca

Academic Associate Director, Graduate Program – Eva Kehayia; B.A., M.A., Ph.D.(McG.)

Email: graduate.rehabilitation@mcgill.ca

24.11.1.2 About Physical and Occupational Therapy

Situated on McGill University's upper campus in a gracious downtown area of the beautiful city of Montreal, Quebec. We are proud of the outstanding academic environment that is offered to our students. Part of McGill's Faculty of Medicine, the School offers programs in three areas: Occupational Therapy, Physical Therapy, and Graduate Studies in Rehabilitation Sciences (master's and doctorate).

The School is internationally recognized for the excellence of its contribution to research in rehabilitation. Excellence in research and teaching is the foundation and tradition of the School of Physical and Occupational Therapy at McGill University. The Faculty educates professionals and, through research, generates the body of knowledge that guides our professions to advance the health, function, and participation of the individual in society.

section 24.11.1.5: Master of Science (M.Sc.); Rehabilitation Science (Thesis) (45 credits)

The full curriculum consists of approximately two years of study for graduates who hold a B.Sc. degree in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective coursework, a research proposal, and a research thesis.

section 24.11.1.6: Master of Science (M.Sc.); Rehabilitation Science (Non-Thesis) (45 credits)

The program requires three terms of full-time residence study and can usually be completed within three to four terms. It is designed for graduates who hold a B.Sc. (or equivalent) in Physical or Occupational Therapy or related health professions. Two years of clinical experience is recommended. The program trains health professionals to become consumers of research in order to promote evidence-based practice in rehabilitation science. The curriculum is made up of both required and elective courses and may also include a research project.

section 24.11.1.7: Master of Science, Applied (M.Sc.A.); Physical Therapy (Non-Thesis) (58 credits)

The Master of Science (Applied) in Physical Therapy program is a 58-credit program to be completed in 1.5 graduate years over five semesters and includes a clinical practicum of 1,000 hours leading to professional licensure to practise. The educational approach is consistent with adult learning, self-directed learning, reflective clinical practice, and inter-professionalism. Strong links between academic and clinical fieldwork education are emphasized. Courses emphasize client-centred and evidence-based practice across the lifespan, across the health care continuum, and include health promotion from prevention of disability to rehabilitation. In addition to fieldwork, the program requirements include courses in advanced clinical practice, research methodology, and educational methodology. The master's project prepares the entry-to-practice physiotherapist to become an autonomous and effective professional through the acquisition of research skills.

section 24.11.1.8: Master of Science, Applied (M.Sc.A.); Occupational Therapy (Non-Thesis) (58 credits)

The Master of Science (Applied) in Occupational Therapy program is a 58-credit program to be completed in 1.5 graduate years over five semesters and includes a clinical practicum of 1,000 hours leading to professional licensure to practise. The educational approach is consistent with adult learning and reflective clinical practice. The curriculum uses a case-based, problem-solving, self-directed approach across the lifespan. Strong links between academic and clinical fieldwork education are emphasized throughout the educational process. Coursework will focus on client-centred and evidence-based practice, clinical reasoning, ethics, and professionalism as essential components for the development of a humanistic, ethical, knowledgeable, competent, critical thinking, and problem-solving Occupational Therapist. The master’s project is designed to develop research and scholarly skills.
section 24.11.1.9: Doctor of Philosophy (Ph.D.); Rehabilitation Science

This program consists of three to four years of study, on average, for graduates with master's-level training in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective coursework, a comprehensive written examination, a research proposal, a doctoral thesis, and an oral defence.

section 24.11.1.10: Graduate Certificate in Assessing Driving Capabilities (15 credits)

The 15-credit postgraduate certificate program aims to train Occupational Therapists to assess the driving abilities and performance of at-risk populations, retrain drivers, recommend adaptive vehicles and adapt technical aids that will allow disabled individuals to return to driving and preserve their independence and quality of life. The program comprises five courses. The first two are offered online; the other three are a combination of online and intensive workshops.

section 24.11.1.11: Graduate Certificate in Chronic Pain Management (15 credits)

Please contact the Department for more information about this program.

24.11.1.3 Physical and Occupational Therapy Admission Requirements and Application Procedures

24.11.1.3.1 Admission Requirements

M.Sc. in Rehabilitation Science (Thesis)

1. A B.Sc. degree or equivalent in Physical or Occupational Therapy or a related field from a university of recognized reputation.
2. Evidence of high academic achievement, equivalent to B standing, or a McGill CGPA of 3.0 (70-74%).
3. Prerequisite courses may be required in statistics, anatomy, physiology, psychology, sociology, neurophysiology, or other areas, depending on the student’s anticipated specialization.
4. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (Test of English as a Foreign Language) with a minimum score of 100 on the Internet-based test with each component score not less than 20 (School requirement), or the International English Language Testing System (IELTS) with a minimum overall band score of 7.0.
5. The GRE Test is recommended for the following applicants: those who do not have a B.Sc. or equivalent from a Canadian university; those who have been out of university for five years or more. Only the General Test is mandatory. For consideration, students must obtain a minimum score of 550 in verbal and quantitative categories and a score of 3.5 to 4 in analytical writing.


Applicants must ensure that official test results are sent to McGill University directly by the testing service. Applications cannot be considered if test results are not available.

If a graduate student accepted into the M.Sc. program demonstrates superior performance in the first year, the Graduate Committee, in consultation with the thesis supervisor, may recommend waiving the M.Sc. thesis requirement, and allow the student to proceed directly to the Ph.D. program.

M.Sc. in Rehabilitation Science (Non-Thesis)

1. to 5. as above; plus two years of clinical experience is recommended.

Qualifying Year for entry into M.Sc.A. (P.T.)

1. An undergraduate degree or equivalent from a university of recognized reputation.
2. Same as M.Sc. in Rehabilitation Science (Thesis) above.
3. No prerequisites.
4. Same as M.Sc. in Rehabilitation Science (Thesis) above.
5. Same as M.Sc. in Rehabilitation Science (Thesis) above.
6. In applicant statement on web application, please describe your motivation, preparedness, suitability, and reasons for choosing O.T. or P.T. Professional Program.
7. Knowledge of French is highly recommended. Variety of clinical placements is severely restricted for students who do not speak French.
8. Successful completion of an interview to be held in May.

Qualifying Year for entry into M.Sc.A. (O.T.)

Same as Qualifying Year for entry into M.Sc.A. (P.T.) above.

M.Sc.A. (P.T.)

A B.Sc. (Rehabilitation Science) majoring in P.T., or evidence of high academic achievement in Qualifying Year for entry into M.Sc.A. (P.T.), equivalent to B standing, or a McGill CGPA of 3.0 (70-74%) is required.

M.Sc.A. (O.T.)
A B.Sc. (Rehabilitation Science) majoring in O.T., or evidence of high academic achievement in Qualifying Year for entry into M.Sc.A. (O.T.), equivalent to B standing, or a McGill CGPA of 3.0 (70-74%) is required.

**Ph.D. in Rehabilitation Science**

1. An M.Sc. degree in a rehabilitation-related discipline from a university of recognized reputation.
2. Evidence of high academic achievement, equivalent to B+ standing, or a McGill CGPA of 3.3 (75-79%) is required.
3. Proof of proficiency in English. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English, by appropriate exams, e.g., TOEFL (Test of English as a Foreign Language) with a minimum score of 100 on the Internet-based test with each component score not less than 20 (School requirement), or the International English Language Testing System (IELTS) with a minimum overall band score of 7.0.
4. GRE Test with a minimum score of 600 in verbal and quantitative categories and a score of 4.5 to 5 in analytical writing. The test is recommended for the following applicants: those who do not have a B.Sc., M.Sc., or equivalent from a Canadian university; those who have been out of university for five years or more.


Applicants must ensure that official test results are sent to McGill University directly by the testing service. Applications cannot be considered if test results are not available.

**Graduate Certificate in Assessing Driving Capabilities**

1. A B.Sc. degree or equivalent in Occupational Therapy or a related field from a university of recognized reputation.
2. Evidence of high academic achievement, equivalent to B standing or a McGill CGPA of 3.0 (70–74%).
3. See points 3, 4, and 5 under M.Sc. in Rehabilitation Science for more information on prerequisites, TOEFL, and GRE.

**Graduate Certificate in Chronic Pain Management**

Please note that this program is under review. Contact the Department for more information regarding admission requirements and application procedures.

**Application Procedures**

It is recommended to apply for admission online at the following address: www.mcgill.ca/gradapplicants/apply.

Applications will be considered upon receipt of:

1. the completed application form;
2. $100 application fee;
3. a complete curriculum vitae (except for M.Sc.A. (O.T.), M.Sc.A. (P.T.));
5. two original official transcripts (university program) (except for U3 & QY students applying to M.Sc.A. (O.T.), M.Sc.A. (P.T.));
7. test results (GRE, TOEFL), if required.

**Dates for Guaranteed Consideration**

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/physical-and-occupational-therapy. Then select the appropriate program.

**Note:** We are not willing to consider any applications to be admitted for the Winter term.

Documents are to be mailed directly.


Professional Masters Student Affairs Coordinator
School of Physical and Occupational Therapy
Davis House, Room 5
3654 Promenade Sir-William-Osler (upper Drummond Street)
Montreal, QC H3G 1Y5
Telephone: 514-398-2784
Fax: 514-398-6360

**Master’s and Ph.D. Programs**

Graduate Rehabilitation Student Affairs Coordinator
School of Physical and Occupational Therapy
Davis House, Room 5
24.11.1.4 Physical and Occupational Therapy Faculty

**Director**

Annette Majnemer

**Academic Director, Occupational Therapy**

Bernadette Nedelec

**Academic Associate Director, Occupational Therapy**

Aliki Thomas

**Academic Director, Physical Therapy**

Judith Soicher

**Academic Director, Graduate Programs**

Eva Kehayia

**Academic Associate Director, Graduate Programs**

Isabelle Gélinas

**Emeritus Professors**

Robert Dykes; B.A.(Calif.-LA), Ph.D.(Johns Hop.)

Erika Gisel; B.Sc.(P.T.), B.Sc.(L.S.), M.Sc., Ph.D.(McG.)


**Professors**

Hugues Barbeau; B.Sc.(P.T.), M.Sc., Ph.D.(Laval)

Mindy Levin; B.Sc.(P.T.), M.Sc., Ph.D.(McG.)

Annette Majnemer; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)

Nancy Mayo; B.Sc.(P.T.)(Qu.), M.Sc., Ph.D.(McG.)

**Associate Professors**

Joyce Fung; B.Sc.(P.T.)(Hong Kong Polytech. U.), Ph.D.(McG.)

Isabelle Gélinas; B.Sc.(O.T.)(Montr.), M.Sc.(Virg.), Ph.D.(Rehab.Sc.)(McG.)

Eva Kehayia; B.A., M.A., Ph.D.(McG.)

Nicol Korner-Bitensky; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)
Associate Professors
Anouk Lamontagne; B.Sc., M.Sc., Ph.D.(Laval)
Patricia McKinley; B.A., M.A., Ph.D.(Calif.-LA)
Bernadette Nedelec; B.Sc.(O.T.), Ph.D.(Alta.)
Laurie Snider; B.Sc.(O.T.)(McG.), M.A.(Br. Col.), Ph.D.(Tor.)

Assistant Professors
Sara Ahmed; B.Sc.(P.T.), M.Sc., Ph.D.(McG.)
Dana Anaby; B.O.T.(Tel Aviv), M.Sc.(OT)(Tel Aviv), Ph.D.(Rehab Sc.)(Br. Col.)
Philippe Archambault; B.Sc.(O.T.)(McG.), M.Sc.A., Ph.D.(Montr.)
Patricia Belchior da Cunha; B.S.(Law), B.S.(O.T.)(Dom Bosco Catholic U.), Ph.D.(Flor.)
Isabelle Gagnon; B.Sc.(P.T.)(McG.), M.Sc., Ph.D.(Montr.)
Matthew Hunt; B.Sc.(P.T.)(McG.), M.Sc.(McG.), Ph.D.(McG.)
Barbara Mazer; B.Sc.(O.T.)(Qu.), M.Sc., Ph.D.(McG.)
Melissa Park, B.A.(Yale), M.A.(O.T.), Ph.D.(Occ.Sc.)(USC)
Richard Preuss; B.Sc.(P.T.), B.Sc.(L.S.), M.Sc.(Wat.), Ph.D.(McG.)
Judith Soicher; B.Sc.(P.T.), B.Sc.(L.S.), M.Sc., Ph.D.(McG.)
Jadranka Spahija; B.Sc.(P.T.), Ph.D.(McG.)

Faculty Lecturers
Liliane Asseraf-Pasin; B.Sc.(P.T.)(McG.)
Isabel Audette; B.Sc.(P.T.)(McG.), M.Sc.(McG)
Dana Benoît; B.Sc.(O.T.), M.Sc., C.D.R.S.(McG.)
Nancy Forget; B.Sc.(O.T.)(McG.), M.Sc.(Montr.)
Heather Lambert; B.Sc.(O.T.), M.Sc., Ph.D.(McG.)
Susanne Mak; B.Sc.(O.T.), M.Sc.(McG.)
Isabelle Pearson; B.Sc.(P.T.), M.Sc.(McG.)
Claire Perez, B.Sc.(P.T.)(McG.), B.Sc.(Bio)(McG.), M.Sc.(McG.)
Cynthia Perlman; B.Sc.(O.T.), M.Ed.(McG.)
Suzanne Rouleau; B.Sc.(O.T.)(Laval), M.Sc.(Montr.)
Caroline Storr; B.Sc.(O.T.), M.B.A.(Cdua)
Aliki Thomas; B.Sc.(O.T.), M.Ed.(McG.)
Adriana Venturini; B.Sc.(P.T.), M.Sc.(McG.)
Hiba Zafran; B.Sc., B.Sc.(O.T.), M.Sc.(McG.)

Professional Associates
Fernanda Alves; B.Sc.(P.T.)(McG.)
Clara I. Carpintero; B.A.(O.T.), B.Sc.(O.T.)(Bogota), M.Ed.(McG.)
Ann Hetherington; B.Sc.(P.T.)(McG.)
Linda Labelle; B.Sc.(P.T.)(Montr.), D.A.S.(HEC)
Sylvie Laplante; B.Sc.(O.T.)(McG.)
Vassiliki Lyroudias; B.Sc.(Anat.), B.Sc.(O.T.)(McG.)
Donald Macleod; B.Sc.(P.T.)(McG.)
Masoud Mehrzad; B.Sc.(O.T.)(Tehran), M.H.A.(Montr.)
Professional Associates
Anita Menon; B.Sc.(O.T.)(McG.), M.Sc.(Rehab Sc.)(McG.)
Maria Rapoport; B.Sc.(P.T.)(McG.)
Rochelle W. Rein; B.Sc.(P.T.)(McG.)
Kimberley Smalridge; B.Sc.(P.T.)(McG.), B.A.(C'dia)

Associate Members
Bruno Gagnon; M.D.,C.M.(Laval), M.Sc.(McG.)
Robert Jagoe; B.A., Ph.D.(UK)

Adjunct Member
Sharon Henry; B.S.(P.T.)(Vermont), Ph.D.(Vermont)

24.11.1.5 Master of Science (M.Sc.); Rehabilitation Science (Thesis) (45 credits)

Thesis Courses (29 credits)
- POTH 696 (2) Thesis Research
- POTH 697 (6) Thesis Research 1
- POTH 698 (9) Thesis Research 2
- POTH 699 (12) Thesis Research 3

Required Courses (10 credits)
A research proposal is to be submitted in written form and defended in front of a supervisory committee. Research proposals should be completed by the beginning of the second full-time year.
- EPIB 507 (3) Biostatistics for Health Professionals
- POTH 610 (4) Research Methodology
- POTH 614 (2) Selected Topics in Rehabilitation Science
- POTH 616 (1) Seminars in Rehabilitation Science
- POTH 617 (0) Rehabilitation Seminars 1

Complementary Courses (6 credits)
To be chosen from among graduate-level departmental course offerings that pertain to the student's area of specialization or other campus courses at the 500 or 600 levels with permission of the Graduate Program Director. Some courses may be offered alternate years only.
Note: Students may take either POTH 620 or POTH 630.
- POTH 603 (3) Directed Practicum
- POTH 604 (3) Current Topics in Pediatrics
- POTH 618 (3) Topics in Rehabilitation
- POTH 620 (3) Measurement: Rehabilitation 1
- POTH 622 (3) Pathokinesiology
- POTH 630 (3) Measurement: Rehabilitation 2
- POTH 673 (3) Screening for at Risk Drivers
- POTH 674 (3) Assessing Driving Ability 1
- POTH 675 (3) Driving Assessment Practicum
- POTH 676 (3) Adaptive Equipment and Driving
This program has two options. In the first option, students complete 30 credits of required and complementary courses plus a 15-credit research project in their area of interest. In the second option, students complete 45 credits of required and complementary coursework. The program normally takes three to four terms when done on a full-time basis.

### Required Courses (10 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPH 689</td>
<td>3</td>
<td>Teaching and Learning in Higher Education</td>
</tr>
<tr>
<td>EPIB 507</td>
<td>3</td>
<td>Biostatistics for Health Professionals</td>
</tr>
<tr>
<td>POTH 610</td>
<td>4</td>
<td>Research Methodology</td>
</tr>
<tr>
<td>POTH 617</td>
<td>0</td>
<td>Rehabilitation Seminars 1</td>
</tr>
<tr>
<td>POTH 619</td>
<td>0</td>
<td>Rehabilitation Seminars 2</td>
</tr>
</tbody>
</table>

### Complementary Courses (30 credits)

#### Group A: 20 credits

Chosen from the following courses offered by the School, or other campus courses at the 500 or 600 levels with permission of the Graduate Program Director. Some courses may be offered alternate years only.

Note: Students may take POTH 620 or POTH 630.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTH 508</td>
<td>3</td>
<td>Plasticity in Rehabilitation</td>
</tr>
<tr>
<td>POTH 603</td>
<td>3</td>
<td>Directed Practicum</td>
</tr>
<tr>
<td>POTH 604</td>
<td>3</td>
<td>Current Topics in Pediatrics</td>
</tr>
<tr>
<td>POTH 614</td>
<td>2</td>
<td>Selected Topics in Rehabilitation Science</td>
</tr>
<tr>
<td>POTH 618</td>
<td>3</td>
<td>Topics in Rehabilitation</td>
</tr>
<tr>
<td>POTH 620</td>
<td>3</td>
<td>Measurement: Rehabilitation 1</td>
</tr>
<tr>
<td>POTH 622</td>
<td>3</td>
<td>Pathokinesiology</td>
</tr>
<tr>
<td>POTH 630</td>
<td>3</td>
<td>Measurement: Rehabilitation 2</td>
</tr>
<tr>
<td>POTH 631</td>
<td>3</td>
<td>Research Proposal</td>
</tr>
<tr>
<td>POTH 673</td>
<td>3</td>
<td>Screening for at Risk Drivers</td>
</tr>
<tr>
<td>POTH 674</td>
<td>3</td>
<td>Assessing Driving Ability 1</td>
</tr>
<tr>
<td>POTH 675</td>
<td>3</td>
<td>Driving Assessment Practicum</td>
</tr>
<tr>
<td>POTH 676</td>
<td>3</td>
<td>Adaptive Equipment and Driving</td>
</tr>
<tr>
<td>POTH 677</td>
<td>3</td>
<td>Retraining Driving Skills</td>
</tr>
<tr>
<td>POTH 682</td>
<td>3</td>
<td>Promoting Healthy Activity</td>
</tr>
<tr>
<td>POTH 685</td>
<td>3</td>
<td>Perception and Action</td>
</tr>
</tbody>
</table>

The above list of complementary courses is subject to change. Please refer to our course guide on the School’s website.

#### Group B: 15 credits, one of the following options:

**Option 1, Directed Project:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTH 661</td>
<td>7</td>
<td>Research Project 1</td>
</tr>
<tr>
<td>POTH 662</td>
<td>8</td>
<td>Research Project 2</td>
</tr>
</tbody>
</table>
Note: Registration for the above courses requires pre-approval by the Graduate Program Director.

OR

No directed project, 15 credits of 500-, 600-, or 700-level courses.

### 24.11.1.7 Master of Science, Applied (M.Sc.A.); Physical Therapy (Non-Thesis) (58 credits)

The professional Master of Science, Applied, in Physical Therapy is a 58-credit degree program, which includes 1,000 hours of fieldwork education over five terms and leads to professional licensure to practise.

Students admitted to the M.Sc.A. who have undergraduate degrees other than the B.Sc.(Rehabilitation Science); Major in Physical Therapy from McGill University will be required to complete a qualifying year of study, prior to beginning the master's program. For further information about the required courses in the qualifying year, please see the appropriate section of the University Calendar available at www.mcgill.ca/courses.

#### Research Project (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POTH 624</td>
<td>6</td>
<td>Master's Project</td>
</tr>
</tbody>
</table>

#### Required Courses (40 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTH 571</td>
<td>7</td>
<td>PT Clinical Practicum 1</td>
</tr>
<tr>
<td>PHTH 572</td>
<td>7</td>
<td>PT Clinical Practicum 2</td>
</tr>
<tr>
<td>PHTH 573</td>
<td>7</td>
<td>PT Clinical Practicum 3</td>
</tr>
<tr>
<td>PHTH 620</td>
<td>7</td>
<td>PT Clinical Practicum 4</td>
</tr>
<tr>
<td>PHTH 622</td>
<td>3</td>
<td>Integrated Pain Management</td>
</tr>
<tr>
<td>PHTH 623</td>
<td>3</td>
<td>Differential Diagnosis and Management</td>
</tr>
<tr>
<td>POTH 602</td>
<td>3</td>
<td>Educational Methodology</td>
</tr>
<tr>
<td>POTH 612</td>
<td>3</td>
<td>Advanced Research Methods</td>
</tr>
</tbody>
</table>

#### Complementary Courses (12 credits)

9 credits chosen from the following courses offered by the School. With permission from the Academic Director, students may take courses offered at the 500 or 600 levels by other departments at McGill.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHTH 641</td>
<td>3</td>
<td>Topics in Cardiorespiratory Rehabilitation</td>
</tr>
<tr>
<td>PHTH 661</td>
<td>3</td>
<td>Sport Physiotherapy</td>
</tr>
<tr>
<td>PHTH 662</td>
<td>3</td>
<td>Advanced Manual Therapy</td>
</tr>
<tr>
<td>POTH 508</td>
<td>3</td>
<td>Plasticity in Rehabilitation</td>
</tr>
<tr>
<td>POTH 604</td>
<td>3</td>
<td>Current Topics in Pediatrics</td>
</tr>
<tr>
<td>POTH 614</td>
<td>2</td>
<td>Selected Topics in Rehabilitation Science</td>
</tr>
<tr>
<td>POTH 618</td>
<td>3</td>
<td>Topics in Rehabilitation</td>
</tr>
<tr>
<td>POTH 620</td>
<td>3</td>
<td>Measurement: Rehabilitation 1</td>
</tr>
<tr>
<td>POTH 622</td>
<td>3</td>
<td>Pathokinesiology</td>
</tr>
<tr>
<td>POTH 627</td>
<td>3</td>
<td>Advanced Topics in Dysphagia</td>
</tr>
<tr>
<td>POTH 630</td>
<td>3</td>
<td>Measurement: Rehabilitation 2</td>
</tr>
<tr>
<td>POTH 635</td>
<td>3</td>
<td>Enabling Upper Extremity Function</td>
</tr>
<tr>
<td>POTH 636</td>
<td>3</td>
<td>Physical Therapy in Pediatrics</td>
</tr>
<tr>
<td>POTH 637</td>
<td>3</td>
<td>Cancer Rehabilitation</td>
</tr>
<tr>
<td>POTH 639</td>
<td>3</td>
<td>Motor Control</td>
</tr>
<tr>
<td>POTH 682</td>
<td>3</td>
<td>Promoting Healthy Activity</td>
</tr>
<tr>
<td>POTH 685</td>
<td>3</td>
<td>Perception and Action</td>
</tr>
</tbody>
</table>
3 credits at the 500 or 600 level may be chosen from the Desautels Faculty of Management MBA/MD program.

24.11.1.8 Master of Science, Applied (M.Sc.A.); Occupational Therapy (Non-Thesis) (58 credits)

The Master of Science, Applied, in Occupational Therapy is a 58-credit degree program to be completed in 1.5 graduate years over five semesters and includes a clinical practicum of 1,000 hours leading to professional licensure to practise.

Students admitted to the M.Sc.A. who have undergraduate degrees other than the B.Sc.(Rehabilitation Science); Major in Occupational Therapy from McGill University will be required to complete a qualifying year of study, prior to beginning the master's program. For further information about the required courses in the qualifying year, please see the appropriate section of the Undergraduate Programs Calendar available at www.mcgill.ca/courses.

Research Project (6 credits)

POTH 624 (6) Master's Project

Required Courses (49 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCC1 501</td>
<td>7</td>
<td>Clinical Practicum 1</td>
</tr>
<tr>
<td>OCC1 502</td>
<td>7</td>
<td>Clinical Practicum 2</td>
</tr>
<tr>
<td>OCC1 503</td>
<td>7</td>
<td>Clinical Practicum 3</td>
</tr>
<tr>
<td>OCC1 602</td>
<td>7</td>
<td>Clinical Practicum 4</td>
</tr>
<tr>
<td>OCC1 617</td>
<td>6</td>
<td>Occupational Solutions 2</td>
</tr>
<tr>
<td>OCC1 618</td>
<td>5</td>
<td>Applied OT: Psychosocial Theory</td>
</tr>
<tr>
<td>OCC1 620</td>
<td>2</td>
<td>Work/Ergonomics</td>
</tr>
<tr>
<td>OCC1 622</td>
<td>3</td>
<td>Community-Based OT</td>
</tr>
<tr>
<td>OCC1 623</td>
<td>2</td>
<td>Assistive Technology</td>
</tr>
<tr>
<td>POTH 612</td>
<td>3</td>
<td>Advanced Research Methods</td>
</tr>
</tbody>
</table>

Complementary Courses (3 credits)

3 credits chosen from the following courses offered by the School. With permission from the Academic Director, students may take courses offered at the 500 or 600 levels by other departments at McGill.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCC1 625</td>
<td>3</td>
<td>Functional Environments</td>
</tr>
<tr>
<td>OCC1 626</td>
<td>3</td>
<td>Mental Health: Child and Youth</td>
</tr>
<tr>
<td>POTH 614</td>
<td>2</td>
<td>Selected Topics in Rehabilitation Science</td>
</tr>
<tr>
<td>POTH 627</td>
<td>3</td>
<td>Advanced Topics in Dysphagia</td>
</tr>
<tr>
<td>POTH 632</td>
<td>3</td>
<td>Research Elective</td>
</tr>
<tr>
<td>POTH 633</td>
<td>3</td>
<td>Function/Activity in Arthritis</td>
</tr>
<tr>
<td>POTH 634</td>
<td>3</td>
<td>Childhood Performance Issues</td>
</tr>
<tr>
<td>POTH 635</td>
<td>3</td>
<td>Enabling Upper Extremity Function</td>
</tr>
<tr>
<td>POTH 636</td>
<td>3</td>
<td>Physical Therapy in Pediatrics</td>
</tr>
<tr>
<td>POTH 637</td>
<td>3</td>
<td>Cancer Rehabilitation</td>
</tr>
<tr>
<td>POTH 638</td>
<td>3</td>
<td>Promoting Wellness of Seniors</td>
</tr>
<tr>
<td>POTH 640</td>
<td>3</td>
<td>Role-Emerging Management</td>
</tr>
</tbody>
</table>

24.11.1.9 Doctor of Philosophy (Ph.D.); Rehabilitation Science

Thesis

Required Courses (15 credits)

Note: Of the required courses, at least three will already have been completed by students with an M.Sc. in Rehabilitation Science from McGill University.
EDPH 689  (3)  Teaching and Learning in Higher Education
EPIB 507  (3)  Biostatistics for Health Professionals
POTH 610  (4)  Research Methodology
POTH 614  (2)  Selected Topics in Rehabilitation Science
POTH 631  (3)  Research Proposal
POTH 701  (0)  Ph.D. Comprehensive

**Complementary Course (3 credits)**
One of the following courses:

- POTH 620  (3)  Measurement: Rehabilitation 1
- POTH 630  (3)  Measurement: Rehabilitation 2
- POTH 685  (3)  Perception and Action

**Elective Courses**
One or two courses (3 to 6 credits) that pertain to the student's area of specialization; to be chosen from among graduate-level departmental course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

**24.11.10 Graduate Certificate in Assessing Driving Capabilities (15 credits)**

**Required Courses (15 credits)**

- POTH 673  (3)  Screening for at Risk Drivers
- POTH 674  (3)  Assessing Driving Ability 1
- POTH 675  (3)  Driving Assessment Practicum
- POTH 676  (3)  Adaptive Equipment and Driving
- POTH 677  (3)  Retraining Driving Skills

Note: POTH 673 and 674 are offered online, whereas POTH 675, POTH 676, and POTH 677 have both online components and intensive workshops.

**24.11.11 Graduate Certificate in Chronic Pain Management (15 credits)**


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**25  Faculty of Religious Studies**

**25.1  Dean's Welcome**

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.
McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

25.2 Graduate and Postdoctoral Studies

25.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
<th>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
<td>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
<td>Associate Dean (Graduate and Postdoctoral Studies)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
<td>Director (Graduate and Postdoctoral Affairs)</td>
</tr>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
<td>Director (Recruitment and Retention)</td>
</tr>
</tbody>
</table>

25.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

25.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

25.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

25.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):
Agricultural and Environmental Sciences

section 14.11.1: Agricultural Economics
section 14.11.2: Animal Science
section 14.11.3: Bioresource Engineering
section 14.11.4: Dietetics and Human Nutrition
section 14.11.5: Food Science and Agricultural Chemistry
section 14.11.6: Natural Resource Sciences
section 14.11.7: Parasitology
section 14.11.8: Plant Science

Arts

section 15.11.1: Anthropology
section 15.11.2: Art History
Classics, see section 15.11.12: History and Classical Studies
section 15.11.4: Communication Studies
section 15.11.5: East Asian Studies
section 15.11.6: Economics
section 15.11.7: English
section 15.11.8: French Language and Literature
section 15.11.9: Geography
section 15.11.10: German Studies
section 15.11.11: Hispanic Studies
section 15.11.12: History and Classical Studies
section 15.11.13: Institute for the Study of International Development
section 15.11.14: Islamic Studies
section 15.11.15: Italian Studies
section 15.11.16: Jewish Studies
section 15.11.17: Linguistics
section 15.11.18: Mathematics and Statistics
section 15.11.19: Philosophy
section 15.11.20: Political Science
section 15.11.21: Psychology
section 15.11.23: Russian and Slavic Studies
section 15.11.24: Social Studies of Medicine
section 15.11.25: Social Work
section 15.11.26: Sociology

Dentistry

section 16.11.1: Dentistry

Desautels Faculty of Management

section 17.11: Desautels Faculty of Management
Education

section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering

section 19.11.1: Architecture
section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law

section 20.11.1: Law

McGill School of Environment

section 21.11.1: Environment

Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 23.11.1: Nursing
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research
25.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

Graduate Diplomas are offered in:

- Clinical Research (Experimental Medicine)
- Epidemiology and Biostatistics
- Islamic Studies
- Library and Information Studies
- Mining Engineering
- Nursing
- Primary Care Nurse Practitioner
- Professional Performance
- Public Accountancy (C.A.)
- Registered Dietician Credentialing (R.D.)
- School and Applied Child Psychology (post-Ph.D.)
- Surgical Health Care Research

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

- Assessing Driving Capabilities
- Air and Space Law
- Bioresource Engineering (IWRM)
- Biotechnology
- Comparative Law
- Educational Leadership 1
- Educational Leadership 2
- Educational Leadership 3
- Library and Information Studies
- Post-M.B.A.
- Teaching English as a Second Language
- Theory in Primary Care
- Theory in Neonatology

All graduate regulations apply to graduate diploma and certificate candidates.

25.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.
The following master's degrees are offered (see below for more information about sub-specializations):  

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D., C.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate study. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

**Master of Architecture Degrees**

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

**Master of Arts Degrees**

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
French (Thesis and Non-Thesis); option in Gender and Women's Studies
Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
German Studies (Thesis and Non-Thesis)
Hispanic Studies (Thesis and Non-Thesis)
Islamic Studies; option in Gender and Women's Studies
Italian Studies (Thesis and Non-Thesis)
Jewish Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Linguistics (Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

Master of Business Administration Degrees
A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

Finance
Global Strategy and Leadership
Marketing
Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

M.B.A. with M.D.,C.M.
M.B.A. with B.C.L. and L.L.B.
Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education

The M.A. may be taken in the following areas:

Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
Educational Psychology (Thesis and Non-Thesis)
Educational Leadership (Thesis, Non-Thesis, and Non-Thesis Coursework); option in Gender and Women's Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

Educational Psychology

The M.Sc. may be taken in the following area:

Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering
Programs leading to the degree of Master of Engineering are offered in the following areas:

Aerospace Engineering (Project)
Biomedical Engineering; option in Bioinformatics
Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master’s Degrees in Law

The degree of Master of Laws is offered in:

Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master’s Degrees in Music

Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

Music Technology
Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
Music Education (Thesis and Non-Thesis)
Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

Composition
Performance (various options) (Non-Thesis)
Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master’s Degrees in Nursing

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master’s Degrees in Religious Studies

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Master of Science Degrees

Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics
Animal Science
Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
Biochemistry; options in Bioinformatics, and Chemical Biology
Biology; options in Bioinformatics, Environment, and Neotropical Environment
Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
Cell Biology and Anatomy
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Communication Sciences and Disorders
Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
Earth and Planetary Sciences; option in Environment
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
Geography; options in Environment, and Neotropical Environment
Genetic Counselling (Non-Thesis)
Human Genetics; option in Bioinformatics
Human Nutrition
Kinesiology and Physical Education (Thesis and Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Mechanical Engineering
Medical Radiation Physics
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
Microbiology and Immunology
Microbiology (Macdonald Campus); option in Environment
Mining and Materials Engineering
Neuroscience
Nursing
Otolaryngology
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Psychiatry
Psychology
Rehabilitation Sciences (Thesis and Non-Thesis)
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
Surgery, Experimental

Master of Science, Applied, Degrees

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

Master of Social Work Degrees

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.
Master of Urban Planning Degree
The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.
Options: Transportation Planning and Urban Design.

25.4.3 Doctoral Degrees
Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

<table>
<thead>
<tr>
<th>The following doctoral degrees are offered (see below for more information about sub-specializations):</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually L.L.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

Doctor of Civil Law Degrees
Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

Doctor of Music Degrees
The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

Doctor of Philosophy Degrees
Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
- Electrical Engineering
- English
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics
- Food Science and Agricultural Chemistry
- French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

- Nursing (McGill/Université de Montréal)
- Management (McGill/Concordia/H.E.C./UQAM)
- Social Work (McGill/Université de Montréal)

### 25.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

## 25.5 Program Requirements

### 25.5.1 Master's Degrees

**Residence Requirements – Master's Degrees**

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of **three full-time terms**: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a minimum residence requirement of four full-time terms: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

**Coursework – Master's Degrees**

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.

The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

**Research and Thesis – Master's Degrees**

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred.


**Language Requirements – Master's Degrees**

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

25.5.2 **Doctoral Degrees**

**Residence Requirements – Doctoral**

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

**Note:** The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.
As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

**Comprehensive Examinations – Doctoral**

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

**Language Requirements – Doctoral**

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary. All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

**Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

**Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

### 25.5.3 Ad Hoc Programs

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

### 25.5.4 Ad Personam Programs (Thesis Option only)

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l'Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

### 25.5.5 Coursework for Graduate Programs, Diplomas, and Certificates

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional
requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

25.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

25.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

25.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/ international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

25.6.3 Admission Tests

Graduate Record Examination (GRE)
The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

**Graduate Management Admissions Test (GMAT)**

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

**25.6.4 Competency in English**

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. **TOEFL (Test of English as a Foreign Language):** minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
<td></td>
</tr>
</tbody>
</table>

N.B. an institutional version of the TOEFL is not acceptable.

2. **IELTS (International English Language Testing System):** a band score of 6.5 or greater.
3. **MELAB (Michigan English Language Assessment Battery):** a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

**25.6.5 Admission to a Qualifying Program**

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.
In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

25.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

25.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

25.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the "first department". Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfil the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

25.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

25.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.

*Revised – Council of February 9, 2004.*

25.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.
25.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwhimpl/js/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at www.mels.gouv.qc.ca/ens-sup/ens-unit/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

25.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

25.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

25.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status

i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.
2. Registration

i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions

i. Appointments may not exceed your registration eligibility status.

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/file/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

- to verify the Postdoc’s eligibility period for registration;
- to provide Postdocs with departmental policy and procedures that pertain to them;
- to oversee the registration and appointment of Postdocs;
- to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
– to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
– to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
– to include Postdocs in departmental career and placement opportunities;
– to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
– to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
– to provide research guidance;
– to meet regularly with their Postdocs;
– to provide feedback on research submitted by the Postdocs;
– to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
– to provide mentorship for career development;
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:
– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:
– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

25.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

25.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

25.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:
1. Assignment of Advisers, Supervisors, and Committees

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established guidelines for the composition and operation of advisory committees. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

25.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

25.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students’ Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise...
graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to submit progress reports to the supervisor and committee; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.
iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

25.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:

   • be used annually;
   • be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   • include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation);
   • permit the student to submit a minority report and not sign;
   • state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

Senate, September 2003

25.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

25.9.4 Ph.D. Comprehensives Policy

Preamble

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by
departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. Specific Issues

Objectives and Content

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

Format

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

Timing

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

Assessment, Grading and Reporting

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

Feedback

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student’s performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

Plagiarism
McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

Failures

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

- Charter of Student Rights
- Graduate Studies Reread Policy
- Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

25.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of
receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students' Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching

Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

25.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

• a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
• a written request from the student;
• a Minerva form to drop all courses for all relevant terms;
• a medical certificate.

To be acceptable, the medical certificate must contain a least the following items:

• the student's name, as well as complete contact information for the physician;
25.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

25.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

25.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

25.10.1 Policy on Research Ethics


25.10.2 Regulations on Research Policy


25.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

25.10.4 Guidelines for Research Involving Human Subjects


25.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

25.10.6 Policy on Intellectual Property


25.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

25.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

25.10.9 Office of Sponsored Research

25.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

25.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

25.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

25.11.1 Religious Studies

25.11.1.1 Location

Faculty of Religious Studies
William and Henry Birks Building
3520 University Street
Montreal, QC H3A 2A7
Canada

Telephone: 514-398-4121
Fax: 514-398-6665
Website: www.mcgill.ca/religiousstudies

25.11.1.2 About Religious Studies

The Faculty of Religious Studies offers programs leading to the degrees of Master of Arts (M.A.) (Thesis and Non-Thesis), Master of Arts (M.A.) (Thesis) with Specialization in Bioethics, Master of Arts (M.A.) (Thesis) with Specialization in Gender and Women’s Studies, Master of Sacred Theology (S.T.M.), and Doctor of Philosophy (Ph.D.). A new interdisciplinary option in Gender and Women's Studies is also available for doctoral students.

The areas of graduate specializations of our world-renowned Faculty are: Hebrew Bible and/or Old Testament Studies, Early Judaism, Greco-Roman Judaism, New Testament and Early Christianity, Church History, Christian Theology, Philosophy of Religion, Religious Ethics, Biomedical Ethics, Hinduism, and Buddhism. The many different areas of research interest among the members of the Faculty frequently require the hiring of graduate students as Research Assistants especially as the Faculty is so successful in gaining research grants. The Faculty also seeks to train young scholars in the art of lecturing/teaching; to this end it has created opportunities for Ph.D. students to teach courses in the summer and permits M.A. and Ph.D. students to work as teaching assistants. The individual programs are described below.

Adequate library facilities are available in the William and Henry Birks Building and elsewhere in the University for the courses listed, and for research.

Language Requirements

The Faculty of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Aramaic, Biblical Greek, Sanskrit, Pali, Tamil, and classical literary Tibetan. The Faculty does not guarantee instruction in any languages other than those mentioned above. Therefore, if a student wishes to have a language such as French, German, or Japanese counted as a second language, instruction may have to be sought outside the Faculty. The successful completion of at least 12 credits at the post-secondary level in a language course, or successful completion of a language examination administered by the appropriate member of the Faculty, will constitute evidence of the student's having the required reading knowledge of the language in question.

M.A.

Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.

Note: The M.A. with specialization in Bioethics has no language requirement.

Ph.D.

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research or classical languages relevant to the student's area of research.
Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor.

**S.T.M.**

The S.T.M. program has no language requirement.

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**section 25.11.1.5: Master of Arts (M.A.); Religious Studies (Thesis) (48 credits)**

The purpose of the M.A. (Thesis) degree is to encourage advanced study and research in one of the disciplines of religious studies for those who wish to become scholars or teachers, or will be engaged in some field of religious or public service. An option in the M.A. (Thesis) program is the M.A. in Religious Studies with specialization in Bioethics, offered in collaboration with the Bioethics Unit.

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**section 25.11.1.6: Master of Arts (M.A.); Religious Studies (Thesis) — Gender and Women's Studies (45 credits)**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Religious Studies (and other participating departments and faculties) and who wish to focus on gender-related issues and feminist research and methodologies. Research focus is on a topic relating to gender issues or women's studies.

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**section 25.11.1.7: Master of Arts (M.A.); Religious Studies (Thesis) — Bioethics (45 credits)**

The M.A. (Thesis) with specialization in Bioethics is offered in conjunction with the Bioethics Unit. Please contact the Religious Studies Department or Bioethics Unit for more information about this specialization. The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics Unit, bioethics courses (6 credit minimum) offered by the base faculty or department, and any graduate course required or accepted by a base faculty for the granting of a master's degree, for a total of 21 credits. A minimum of 45 credits is required including the thesis.

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**section 25.11.1.8: Master of Arts (M.A.); Religious Studies (Non-Thesis) (45 credits)**

The M.A. without thesis is intended to ensure a student's well-rounded exposure to several religions and to several of the disciplinary approaches currently used in their academic study. Particular to this program is its ability to provide the student with the opportunity to develop three different research papers with reference to the student's own interests in Religious Studies under the supervision of professors from various parts of the University.

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**section 25.11.1.9: Master of Sacred Theology (STM); Religious Studies (Non-Thesis) (48 credits)**

The S.T.M. is meant for those who intend to enter the ministry of the Christian Church or another religious institution, or proceed to a teaching career or to some form of social work. This degree enables students to specialize in one area or discipline of theological study before or after the third year of the M.Div. and is unique in Canada. The S.T.M. program is fully accredited by the Association of Theological Schools in the U.S. and Canada.

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**section 25.11.1.10: Doctor of Philosophy (Ph.D.); Religious Studies**

The purpose of the Ph.D. program is to engage students in advanced academic studies normally in preparation for an academic career. The community of graduate scholars in this program is engaged in a broad spectrum of critical research involving any number of interdisciplinary approaches conducted on a number of different religious traditions. The Faculty members are committed to the training of teaching scholars making the FRS one of very few schools which values its ability to offer graduate students opportunities under faculty supervision to teach/lecture during their time in the program.

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**section 25.11.1.11: Doctor of Philosophy (Ph.D.); Religious Studies — Gender and Women's Studies**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Religious Studies who wish to focus on gender-related issues and feminist research and methodologies. Research focus is on a topic relating to gender issues or women's studies. Please contact the Department for more information about this option.

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**25.11.1.3 Religious Studies Admission Requirements and Application Procedures**

**25.11.1.3.1 Admission Requirements**

**Master of Arts (M.A.) Thesis**

Applicants must possess a B.A. with a Major or Honours in Religious Studies or a Bachelor of Theology (B.Th.), or a Master of Divinity (M.Div.) degree, normally with a minimum CGPA of 3.3/4.0 (B+) from an accredited university or college. Applicants with fewer than 30 appropriate credits in Religious Studies or Theology are normally required to take a Qualifying Program before entering the M.A.

**Master of Arts (M.A.) in Religious Studies (Thesis) – Gender and Women's Studies Option/Concentration**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Religious Studies (and other participating departments and faculties) who wish to focus on gender-related issues and feminist research and methodologies. Research focus is on a topic relating to gender issues or women's studies.

**Master of Arts (M.A.) (Thesis) in Religious Studies with specialization in Bioethics**

For information contact the Chair, Master's Specialization in Bioethics, Biomedical Ethics Unit, 3690 Peel Street, Montreal, QC, H3A 1W9. Telephone: 514-398-6980. Fax: 514-398-8349. Email: jennifer.fishman@mcgill.ca.
Master of Arts (M.A.) (Non-Thesis)
Applicants must possess a B.A. with a Major or Honours in Religious Studies or a Bachelor of Theology (B.Th.), or a Master of Divinity (M.Div.) degree, normally with a minimum CGPA of 3.3/4.0 (B+) from an accredited university or college. Applicants with fewer than 30 appropriate credits in Religious Studies or Theology are normally required to take a Qualifying Program before entering the M.A.

Master of Sacred Theology (S.T.M.)
Applicants must possess a B.A., normally with at least a good second class standing (B+ or CGPA 3.3/4.0), in a major or honours program in religious studies or theology from an accredited university or college. Those who have a McGill B.Th. or an equivalent degree in addition to a B.A. degree with a second class standing may be admitted to the second year of the S.T.M. program.

Doctor of Philosophy (Ph.D.)
Entry into the doctoral program is limited to applicants who have earned an academic master's degree in Religious Studies or Theology in a recognized graduate program, or those who have finished the course requirements of such a program with a minimum CGPA of 3.5/4.0.

Advanced standing (Ph.D. 2) may be granted if the completed master's-level work including a thesis is in the same area as that of the intended doctoral specialization and involved not less than six (6) courses (18 credits).

It is recommended that a foreign language related to the area of study be included in the bachelor's or master's work preceding doctoral study.

Applicants for doctoral programs are requested to submit a substantial sample of their scholarly writing (15-20 pages) with their application. The application should specify one of the specializations listed in section 25.11.1.2: About Religious Studies.

Doctor of Philosophy (Ph.D.) in Religious Studies – Gender and Women’s Studies Option/Concentration
The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Religious Studies who wish to focus on gender-related issues and feminist research and methodologies. Research focus is on a topic relating to gender issues or women's studies.

25.11.1.3.2 Application Procedures
Application forms for admission are available at www.mcgill.ca/gradapplicants/apply. Applications are completed online and submitted electronically. All supporting documents must be submitted to the Graduate Admissions Office of the Faculty of Religious Studies.

The following items must be submitted before the application can be considered by the Faculty's Graduate Admissions Committee:

1. application form;
2. non-refundable $100 application fee (payable by credit card only);
3. two copies of the official transcripts of all post-secondary courses taken and degrees completed;
4. two academic letters of recommendation addressed to the Chair of the Graduate Admissions committee;
5. a statement of intent of approximately 500 words;
6. a sample of recent academic writing;
7. non-Canadian applicants whose mother tongue is not English and who have not completed an undergraduate degree from a recognized institution where English is the language of instruction must submit documented proof of competency in oral and written English, e.g., TOEFL (Test of English as a Foreign Language) with a minimum score of 577 on the paper-based test.

Permanent residents may be required to submit a TOEFL score.

Dates for Guaranteed Consideration
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

For funding consideration: the application for September admission must be submitted by February 1. For general admission, please consult the dates for guaranteed consideration.

Note: We are not willing to consider any applications to be admitted for the Winter term for the M.A. Bioethics Option.

25.11.1.4 Religious Studies Faculty

Dean, Faculty of Religious Studies
Ellen B. Aitken

Graduate Program Chair
Patricia G. Kirkpatrick

Graduate Admissions Chair
Lara Braitstein (on sabbatical Fall 2011)
Emeritus Professors

G.B. Baum; B.A.(McM.), M.A.(Ohio), D.Th.(Fribourg)
M. Boutin; B.A., B.A., B.A.(Montr.), D.Th.(Munich) (*J.W. McConnell Professor of Philosophy of Religion*)
R.C. Culley; B.A.(Tor.), B.D.(Knox, Tor.), M.A., Ph.D.(Tor.), D.D.(Montr. Dio. Coll.)
D. R. Runnalls; B.A.(Br. Col.), B.D.(McG.), Ph.D.(Tor.)
F. Wisse; Ing.(Utrecht), B.A., B.D.(Calvin), Ph.D.(Claremont)

Professors

D.B. Farrow; B.R.E.(Providence), M.Div.(Grace), M.Th.(Regent), Ph.D.(Lond.)
T. Kirby; B.A.(KCNS), M.A.(Dal.), D.Phil.(Oxf.)
G.S. Oegema; B.A., Th.D.(Vrije Universiteit, Amsterdam), M.A., Ph.D.(Free Univ., Berlin), Dr. Theol. Habil(Tübingen)
A. Sharma; B.A.(Alld.), M.A.(Syrac.), M.T.S., Ph.D.(Harv.) (*Henry Birks Professor of Comparative Religion*)
K.K. Young; B.A.(Vermont), M.A.(Chic.), Ph.D.(McG.) (*James McGill Professor of Hinduism/Comparative Religion*) (*Post-Retirement*)

Associate Professors

E.B. Aitken; A.B.(Harv.), M.Div.(Univ. of the South), Th.D.(Harv.)
L. Braistean; B.A., M.A., Ph.D.(McG.)
G. Fiasse; B.A., M.A., Ph.D.(Louvain) (*joint appt. with Philosophy*)
I.H. Henderson; B.A.(Manit.), B.D.(St. And.), M.A.(McM.), D.Phil.(Oxf.)
G.V. Hori; B.A.(York), M.A.(Tor.), Ph.D.(Stun.)
D. Soneji; B.A.(Manit.), Ph.D.(McG.)

Assistant Professors

D. Cere; B.A., M.A.(McG.), Ph.D.(C’dia)
G. Green; B.A.(Ariz.), M.A.(Catholic Univ. of Louvain), M.A., Ph.D.(Boston)

Faculty Lecturers

J. Kanaris; B.A.(C’dia), M.A., Ph.D.(McG.)
F. Udoh; B.Phil.(Institut de Philosophie, Kinshasa), S.T.B.(Pontificia Universitas Gregoriana), M.Phil.(Oxf.), Ph.D.(Duke)

Numata Visiting Professor

M. Adam; B.A.(Calg.), M.A.(Wat.), Ph.D.(McG.)

Adjunct Professors

P. Jennings; E. Jones; P. Joudrey; W. Klempa; T.J. Langri; L. Marr; V. Sasson; J.M. Simons; J. Vissers; D. Woods

25.11.1.5 Master of Arts (M.A.); Religious Studies (Thesis) (48 credits)

Thesis Courses (27 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 688</td>
<td>(3)</td>
<td>Thesis Research 1</td>
</tr>
<tr>
<td>RELG 689</td>
<td>(3)</td>
<td>Thesis Research 2</td>
</tr>
<tr>
<td>RELG 698</td>
<td>(9)</td>
<td>Thesis Research 3</td>
</tr>
</tbody>
</table>
Required Course (3 credits)

RELG 645 (3) Methods in Religious Studies

Complementary Courses (15 credits)

15 credits selected from the 500- or 600-level courses accepted by the Faculty of Religious Studies for the granting of a master’s degree.

Language Requirement

Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.

25.11.1.6 Master of Arts (M.A.); Religious Studies (Thesis) — Gender and Women’s Studies (45 credits)

Thesis Courses

27 credits from:

RELG 688 (3) Thesis Research 1
RELG 689 (3) Thesis Research 2
RELG 698 (9) Thesis Research 3
RELG 699 (12) Thesis Research 4

Required Courses

6 credits from:

RELG 645 (3) Methods in Religious Studies
WMST 601 (3) Feminist Theories and Methods

Complementary Courses

12 credits selected from the 500- or 600-level courses accepted by the Faculty of Religious Studies for the granting of a master’s degree. Must include within the 12 credits:

Either

WMST 602 (3) Feminist Research Symposium

or 3 credits of another 500- or 600-level course in Gender and Women’s Studies.

25.11.1.7 Master of Arts (M.A.); Religious Studies (Thesis) — Bioethics (45 credits)

Thesis Courses (24 credits)

BIOE 690 (3) M.Sc. Thesis Literature Survey
BIOE 691 (3) M.Sc. Thesis Research Proposal
BIOE 693 (12) M.Sc. Thesis

Required Courses (12 credits)

BIOE 680 (3) Bioethical Theory
Complementary Courses (9 credits)
9 credits at the 500 or 600 level, deemed necessary or accepted by the base faculty for the granting of a master's degree, in consultation with the supervisor.

25.11.1.8 Master of Arts (M.A.); Religious Studies (Non-Thesis) (45 credits)

Research Project (9 credits)
- RELG 660 (3) M.A. Research Paper 1
- RELG 661 (3) M.A. Research Paper 2
- RELG 662 (3) M.A. Research Paper 3

Required Courses (6 credits)
- RELG 555 (3) Honours Seminar
- RELG 645 (3) Methods in Religious Studies

Complementary Courses (30 credits)
30 credits of courses selected from the 500- or 600-level courses accepted by the Faculty of Religious Studies for the granting of a master's degree.

Language Requirement
Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.

25.11.1.9 Master of Sacred Theology (STM); Religious Studies (Non-Thesis) (48 credits)

ATS Accreditation:
The S.T.M. program is fully accredited by the Association of Theological Schools in the U.S. and Canada.
The normal requirement is two years (of two terms each) of full-time study (or one year of full-time study for those admitted with advanced standing into S.T.M. 2), but the degree may, by permission, be taken on a part-time basis.
Note: Ordination requirements for S.T.M. graduates will normally involve a further year of professional pastoral studies (the In-Ministry Year) provided by the Montreal School of Theology affiliated with the Faculty of Religious Studies.

Students admitted to Year 1 are required to complete twelve one-term courses (36 credits) and pass four Area Studies courses (12 credits). Students admitted to Year 2 are required to complete six one-term courses (18 credits) and pass two Area Studies courses.

Required Courses (48 credits)
Year 1 entrants, 12 credits from the following courses:
Year 2 entrants, 6 credits from the following courses:
- RELG 520 (3) Biblical Theology
- RELG 530 (3) Church History
- RELG 531 (3) Christian Theology
- RELG 540 (3) Philosophy of Religion
- RELG 541 (3) Theological Ethics
- RELG 550 (3) Comparative Religion
Year 1 entrants: 12 credits of additional courses.
Year 2 entrants: 6 credits of additional courses.

Students who take the S.T.M. as part of their ordination requirements are to choose their courses in consultation with the Principal of the Theological College with which they are associated.

Course selection for all S.T.M. students needs the approval of the Chair of Religious Studies Graduate Committee.

Related courses are also available in other departments.

25.11.1.10 Doctor of Philosophy (Ph.D.); Religious Studies

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 701</td>
<td>(0)</td>
<td>Major Comprehensive Examination</td>
</tr>
<tr>
<td>RELG 702</td>
<td>(0)</td>
<td>Minor Comprehensive Examination</td>
</tr>
<tr>
<td>RELG 703</td>
<td>(0)</td>
<td>Oral Comprehensive Examination</td>
</tr>
</tbody>
</table>

Candidates admitted to Ph.D. 1 take a minimum of six graduate seminars during their first year and four seminars during their Ph.D. 2 year; those admitted to Ph.D. 2 must take a minimum of four graduate seminars. If possible, two seminars should be in their area of specialization, and at least one should be at the 700 level.

Language Requirements

Students are required to give their area committee evidence of reading knowledge of two languages other than English. These languages must be chosen from modern languages in which there is a significant amount of scholarship relevant to the student's area of research, or from classical languages relevant to the student's area of research.

Research in some disciplines, or on certain thesis topics, may require proficiency in more than two languages besides English. In that case, additional language requirements may be stipulated by the supervisor.

Doctoral Colloquium

As one of their requirements, all Ph.D. students in residence shall attend the monthly graduate colloquium, at which time a student's thesis project is formally presented and discussed. Each student is required to present an aspect of his or her thesis research to a meeting of the Doktorklub before the thesis is submitted.

25.11.1.11 Doctor of Philosophy (Ph.D.); Religious Studies — Gender and Women's Studies

Thesis

Presentation to Doktorklub of student’s thesis research.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELG 701</td>
<td>(0)</td>
<td>Major Comprehensive Examination</td>
</tr>
<tr>
<td>RELG 702</td>
<td>(0)</td>
<td>Minor Comprehensive Examination</td>
</tr>
<tr>
<td>RELG 703</td>
<td>(0)</td>
<td>Oral Comprehensive Examination</td>
</tr>
<tr>
<td>WMST 601</td>
<td>(3)</td>
<td>Feminist Theories and Methods</td>
</tr>
<tr>
<td>WMST 602</td>
<td>(3)</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

Students admitted to Ph.D. 1

Students admitted to Ph.D. 1 take a minimum of six (3-credit) graduate seminars during their first year and a minimum of four (3-credit) graduate seminars in Ph.D. 2 including:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 601</td>
<td>(3)</td>
<td>Feminist Theories and Methods</td>
</tr>
<tr>
<td>WMST 602</td>
<td>(3)</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>
and one 3-credit graduate seminar with a substantive focus on gender and/or women’s studies.

One 3-credit graduate seminar must be at the 700 level.

**Students entering into Ph.D. 2**

Students entering into Ph.D. 2 are required to take a minimum of four (3-credit) graduate seminars including:

| WMST 601 | (3) Feminist Theories and Methods |
| WMST 602 | (3) Feminist Research Symposium |

and one 3-credit graduate seminar with a substantive focus on gender and/or women’s studies.

One 3-credit graduate seminar must be at the 700 level.

**Language Requirements**

Modern and ancient languages as stipulated by field of study.

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### 26 Schulich School of Music

#### 26.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada's most intensive research universities and among the world's top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

_Martin Kreiswirth, Ph.D._

_Associate Provost (Graduate Education)_

_Dean, Graduate and Postdoctoral Studies_

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### 26.2 Graduate and Postdoctoral Studies

#### 26.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
</tr>
</thead>
</table>

| Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.) |
| Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.) |
| Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng. |
| Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT) |

| Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies) |
| Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011) |
| Associate Dean (Graduate and Postdoctoral Studies) |
| Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011) |
Administrative Officers

Shari Baum; B.A.(C'nell), M.Sc.(Vermont), Ph.D.(Brown)  
Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)  
Lissa B. Matyas; B.F.A., M.Sc.(C'dia)  

Associate Dean (Graduate and Postdoctoral Studies)  
Director (Graduate and Postdoctoral Affairs)  
Director (Recruitment and Retention)

Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5  
Telephone: 514-398-3990  
Fax: 514-398-1626  
Email: servicepoint@mcgill.ca  
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):

Agricultural and Environmental Sciences

section 14.11.1: Agricultural Economics  
section 14.11.2: Animal Science  
section 14.11.3: Bioresource Engineering  
section 14.11.4: Dietetics and Human Nutrition  
section 14.11.5: Food Science and Agricultural Chemistry  
section 14.11.6: Natural Resource Sciences  
section 14.11.7: Parasitology  
section 14.11.8: Plant Science

Arts

section 15.11.1: Anthropology  
section 15.11.2: Art History  
Classics, see section 15.11.12: History and Classical Studies  
section 15.11.4: Communication Studies  
section 15.11.5: East Asian Studies  
section 15.11.6: Economics
Arts
section 15.11.7: English
section 15.11.8: French Language and Literature
section 15.11.9: Geography
section 15.11.10: German Studies
section 15.11.11: Hispanic Studies
section 15.11.12: History and Classical Studies
section 15.11.13: Institute for the Study of International Development
section 15.11.14: Islamic Studies
section 15.11.15: Italian Studies
section 15.11.16: Jewish Studies
section 15.11.17: Linguistics
section 15.11.18: Mathematics and Statistics
section 15.11.19: Philosophy
section 15.11.20: Political Science
section 15.11.21: Psychology
section 15.11.23: Russian and Slavic Studies
section 15.11.24: Social Studies of Medicine
section 15.11.25: Social Work
section 15.11.26: Sociology

Dentistry
section 16.11.1: Dentistry

Desautels Faculty of Management
section 17.11: Desautels Faculty of Management

Education
section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering
section 19.11.1: Architecture
section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law
section 20.11.1: Law
McGill School of Environment

section 21.11.1: Environment

Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics

Experimental Medicine, see section 22.11.10: Medicine, Experimental

section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 23.11.1: Nursing
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research

Religious Studies

section 25.11.1: Religious Studies

Schulich School of Music

section 26.11.1: Schulich School of Music

Science

section 27.11.1: Atmospheric and Oceanic Sciences
section 27.11.2: Biology
section 27.11.3: Chemistry
section 27.11.4: Computer Science
section 27.11.5: Earth and Planetary Sciences
section 15.11.9: Geography
section 15.11.18: Mathematics and Statistics
section 27.11.8: Physics
section 15.11.21: Psychology
26.4.1 Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

**Graduate Diplomas are offered in:**

<table>
<thead>
<tr>
<th>Program</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Research (Experimental Medicine)</td>
<td>Primary Care Nurse Practitioner</td>
</tr>
<tr>
<td>Epidemiology and Biostatistics</td>
<td>Professional Performance</td>
</tr>
<tr>
<td>Islamic Studies</td>
<td>Public Accountancy (C.A.)</td>
</tr>
<tr>
<td>Library and Information Studies</td>
<td>Registered Dietician Credentialing (R.D.)</td>
</tr>
<tr>
<td>Mining Engineering</td>
<td>School and Applied Child Psychology (post-Ph.D.)</td>
</tr>
<tr>
<td>Nursing</td>
<td>Surgical Health Care Research</td>
</tr>
</tbody>
</table>

These diploma programs consist of at least two terms of full-time study or the equivalent.

**Graduate Certificates are offered in:**

<table>
<thead>
<tr>
<th>Program</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessing Driving Capabilities</td>
<td>Educational Leadership 2</td>
</tr>
<tr>
<td>Air and Space Law</td>
<td>Library and Information Studies</td>
</tr>
<tr>
<td>Bioresource Engineering (IWRM)</td>
<td>Post-M.B.A.</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Teaching English as a Second Language</td>
</tr>
<tr>
<td>Comparative Law</td>
<td>Theory in Primary Care</td>
</tr>
<tr>
<td>Educational Leadership 1</td>
<td>Theory in Neonatology</td>
</tr>
</tbody>
</table>

All graduate regulations apply to graduate diploma and certificate candidates.

26.4.2 Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.

**The following master’s degrees are offered (see below for more information about sub-specializations):**

<table>
<thead>
<tr>
<th>Program</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Laws (LL.M.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
</tbody>
</table>
The following master's degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

Master of Architecture Degrees

M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

Master of Arts Degrees

Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women's Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
- French (Thesis and Non-Thesis); option in Gender and Women's Studies
- Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
- German Studies (Thesis and Non-Thesis)
- Hispanic Studies (Thesis and Non-Thesis)
- Islamic Studies; option in Gender and Women's Studies
- Italian Studies (Thesis and Non-Thesis)
- Jewish Studies (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Linguistics (Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis)
- Music (Thesis and Non-Thesis)
- Philosophy; option in Bioethics
- Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
- Psychology
- Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
- Russian

Master of Business Administration Degrees
A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D., C.M.
- M.B.A. with B.C.L. and L.L.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

**Master’s Degrees in Education**


The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

**Master's Degree in Engineering**

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
- Biomedical Engineering; option in Bioinformatics
- Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
- Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
- Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
- Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

- Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management).
- Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

**Master's Degrees in Law**

The degree of Master of Laws is offered in:

- Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
- Air and Space Law (Thesis and Non-Thesis)

**Master of Library and Information Studies Degree**

The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

**Master's Degrees in Music**
Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

- Music Technology
- Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
- Music Education (Thesis and Non-Thesis)
- Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

- Composition
- Performance (various options) (Non-Thesis)
- Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

**Master's Degrees in Nursing**

Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

**Master's Degrees in Religious Studies**

A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

**Master of Science Degrees**

Programs leading to the degree of Master of Science are provided in the following areas:

- Agricultural Economics
- Animal Science
- Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Environment, and Neotropical Environment
- Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
- Cell Biology and Anatomy
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Communication Sciences and Disorders
- Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
- Earth and Planetary Sciences; option in Environment
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
- Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
- Geology; options in Environment, and Neotropical Environment
- Genetic Counselling (Non-Thesis)
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
- Mechanical Engineering
- Medical Radiation Physics
- Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
- Microbiology and Immunology
- Microbiology (Macdonald Campus); option in Environment
- Mining and Materials Engineering
- Neuroscience
- Nursing
- Otolaryngology
- Parasitology; options in Bioinformatics, and Environment
- Pathology
- Pharmacology and Therapeutics; option in Chemical Biology
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Psychiatry
Psychology
Rehabilitation Sciences (Thesis and Non-Thesis)
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
Surgery, Experimental

Master of Science, Applied, Degrees
This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:
Animal Science
Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
Biotechnology
Chemistry
Communication Sciences and Disorders
Human Nutrition
Nursing
Occupational Health
Occupational Therapy
Plant Science
Physical Therapy

Other degrees:
Master of Science, Applied (OT)
Master of Science, Applied (PT)

Master of Social Work Degrees
The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:
M.S.W. with B.C.L. and LL.B.

Master of Urban Planning Degree
The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.
Options: Transportation Planning and Urban Design.

26.4.3 Doctoral Degrees
Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

The following doctoral degrees are offered (see below for more information about sub-specializations):

<table>
<thead>
<tr>
<th>Degree Type</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Civil Law (D.C.L.)</td>
<td>B.C.L. or LL.B. and usually LL.M. See Law.</td>
</tr>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

Doctor of Civil Law Degrees
Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

**Doctor of Music Degrees**

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus. The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

**Doctor of Philosophy Degrees**

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
- Electrical Engineering
- English
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics
- Food Science and Agricultural Chemistry
- French; option in Gender and Women's Studies
- Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
- German
- Hispanic Studies
- History
- Human Genetics; option in Bioinformatics
- Human Nutrition
- Information Studies
- Islamic Studies; option in Gender and Women's Studies
- Linguistics; option in Language Acquisition
- Management
- Mathematics and Statistics; option in Bioinformatics
- Mechanical Engineering
- Medicine, Experimental; option in Environment
- Microbiology and Immunology
- Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
- Mining and Materials Engineering
- Music; option in Gender and Women's Studies
- Neuroscience
- Nursing; option in Psychosocial Oncology
- Occupational Health Sciences
- Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

- Nursing (McGill/Université de Montréal)
- Management (McGill/Concordia/H.E.C./UQAM)
- Social Work (McGill/Université de Montréal)

26.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

26.5 Program Requirements

26.5.1 Master's Degrees

Residence Requirements – Master’s Degrees

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of **three full-time terms**: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
- The following master's programs have a **minimum** residence requirement of **four full-time terms**: M.L.I.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.
- The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.L.I.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.
- For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master’s Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at [www.mcgill.ca/study](http://www.mcgill.ca/study).

The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow.
The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master's Degrees
All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees
Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

26.5.2 Doctoral Degrees

Residence Requirements – Doctoral
Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.

As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

Comprehensive Examinations – Doctoral
A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

Language Requirements – Doctoral
Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.
Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French. Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

**Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. **Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on [www.mcgill.ca/importantdates](http://www.mcgill.ca/importantdates), at the same time as the thesis is submitted.** The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at [www.mcgill.ca/gps/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

**Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at [www.mcgill.ca/gps/students/thesis/guidelines](http://www.mcgill.ca/gps/students/thesis/guidelines).

26.5.3 **Ad Hoc Programs**

*In exceptional cases*, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an **Ad Hoc** program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in **Ad Hoc** Master's and Doctoral Programs”, available from GPS.

26.5.4 **Ad Personam Programs (Thesis Option only)**

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an **Ad Personam** program. The regulations are fully described in a document available from GPS.

26.5.5 **Coursework for Graduate Programs, Diplomas, and Certificates**

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at [www.mcgill.ca/gps/staff/registration](http://www.mcgill.ca/gps/staff/registration).

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

26.6 **General Admission for Graduate Studies**

**Note:** The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: [www.mcgill.ca/gradapplicants](http://www.mcgill.ca/gradapplicants)

Email: [servicepoint@mcgill.ca](mailto:servicepoint@mcgill.ca)

**Deadline:** Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships,
26.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

26.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

26.6.3 Admission Tests

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in educational fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Candidates to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

26.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
<th>iBT (Internet-based test)</th>
<th>PBT (paper-based test)</th>
<th>CBT (computer-based test)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
<td></td>
<td>* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.</td>
</tr>
</tbody>
</table>

N.B. an institutional version of the TOEFL is not acceptable.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

26.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted. In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

26.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

26.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

26.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.
Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

26.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

26.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement.

If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


26.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.

26.7 Fellowships, Awards, and Assistantships

Graduate and Postdoctoral Studies
(Fellowships and Awards Section)
James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-2626
Email: graduate.fellowships@mcgill.ca
Website: www.mcgill.ca/gps/students (under Fellowships and Awards)

Graduate Fellowships and Awards Calendar: http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimprint.jsp/html/wwhelp.htm

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can
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be found at www.mels.gouv.qc.ca/ens-sug/ens-uni/droits_scolarite-A_pays-organisations.pdf, are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp. The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW’s) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

26.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

26.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

26.8.2 Guidelines and Policy for Academic Units on Postdoctoral Education

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. Definition and Status
i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill’s academic staff qualified in the discipline in which training is being provided and with the abilities to fulfill responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.

2. Registration
i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.

ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions
i. Appointments may not exceed your registration eligibility status.

ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.

iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/files/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.

iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.

v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.
4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.

iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.

v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.

vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.

vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.

viii. Postdocs have access to the services provided by the Ombudsperson.

ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.

x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities

i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.

ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.

iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.

iv. Some examples of responsibilities of the department are:

– to verify the Postdoc’s eligibility period for registration;
– to provide Postdocs with departmental policy and procedures that pertain to them;
– to oversee the registration and appointment of Postdocs;
– to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
– to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
– to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
– to include Postdocs in departmental career and placement opportunities;
– to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:

– to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
– to provide research guidance;
– to meet regularly with their Postdocs;
– to provide feedback on research submitted by the Postdocs;
– to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
– to provide mentorship for career development;
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:

– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.
vii. Some examples of the responsibilities of the University are:
– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

26.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

26.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

26.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

• the maximum duration is three years;
• must be engaged in full-time research;
• must provide copies of official transcripts/diploma;
• must have the approval of a McGill professor to supervise the research and of the Unit;
• must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;

will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);

must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

26.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

26.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students' Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees

   i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.

   ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

   i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

   ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

   iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

   iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

   v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings. In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review
progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

eviii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.

iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

Revised by Council of FGSR, April 23, 1999 and October 6, 2003

26.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms. Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to
4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:

   • be used annually;
   • be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   • include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
   • permit the student to submit a minority report and not sign;
   • state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

Senate, September 2003

26.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

26.9.4 Ph.D. Comprehensives Policy

Preamble

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy

At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. (“Mixed” modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

Objectives and Content

Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

• knowledge of the discipline (from the point of view of breadth)
• understanding of the proposed field of research
• ability to conduct independent and original research
• a thesis proposal
• professional skills
• ability to present and defend material orally
The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

**Format**

The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

**Timing**

Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

**Assessment, Grading and Reporting**

Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

**Feedback**

The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student’s performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

**Plagiarism**

McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

**Failures**

**i. Repeats**

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

**ii. Plagiarism**

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

**iii. Review and Reassessment**

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.
A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

- Charter of Student Rights
- Graduate Studies Reread Policy
- Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

26.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students’ Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not
wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching
Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

26.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill's “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
- a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
- if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.

It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

26.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

26.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

26.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.
26.10.1 Policy on Research Ethics


26.10.2 Regulations on Research Policy


26.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

26.10.4 Guidelines for Research Involving Human Subjects


26.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

26.10.6 Policy on Intellectual Property


26.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

26.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

26.10.9 Office of Sponsored Research


26.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

26.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

26.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

26.11.1 Schulich School of Music

26.11.1.1 Location

Schulich School of Music
Strathcona Music Building
555 Sherbrooke Street West
Montreal, QC H3A 1E3
Canada
26.11.1.2 About Schulich School of Music

The Schulich School of McGill University, ranked Top 10 globally by the Princeton Review, is internationally renowned for its leadership in combining professional conservatory-style musical training, humanities-based scholarship, and scientific-technological research at the highest levels. Its programs encourage musicians and music researchers alike to push boundaries and explore new possibilities. The School’s facilities are a physical affirmation of our commitment and belief in the future of music, artists, creators, and researchers, and they encourage multimedia productions and trans-disciplinary collaborations. Among the most notable facilities are: a music library that houses one of the most important academic music collections in Canada, four concert halls, The Digital Composition Studio, sound recording studios, and the Centre for Interdisciplinary Research in Music, Media, and Technology (CIRMMT), as well as a research network that links the Faculty with many other university departments and research institutes. Nestled in the heart of the city, the School also draws on the rich cultural life of Montreal – a bilingual city with a celebrated symphony orchestra, dozens of annual festivals, and hundreds of live music venues hosting world-class concerts.

The Master of Arts degree (M.A.) is available as a Thesis option in Music Education, Music Technology, Musicology (with an option in Gender and Women’s Studies), and Theory (with an option in Gender and Women’s Studies), and as a Non-Thesis option in Music Education, Musicology, and Theory. Interdisciplinary studies are encouraged.

The Schulich School of music has multiple sources of funding for graduate study. Fellowships (including the Schulich Scholarships, Max Stern Fellowships, and McGill Excellence Fellowships) range in value from $1,500 to $12,000; some are renewable for multiple years of study (see www.mcgill.ca/gps/students/fellowships).

There are also multiple opportunities for graduate students to obtain funding and experience as paid assistants at the Schulich School of Music. Positions are available as teaching assistants, invigilators, apprentice writers for program notes, sound recording technicians, library assistants, stage hands, and front-of-house staff. More advanced students can obtain positions as instructors. A variety of research assistantships in selected areas are also available. Inquiries should be directed to the Chairs of the Departments of Performance and Music Research, as appropriate.

Master’s Programs

section 26.11.1.5: Master of Music (M.Mus.); Music — Composition (Thesis) (45 credits)

Students in the M.Mus. program develop their own individual voices through private instruction with some of Canada’s most accomplished composers, all of whom have distinguished themselves through high-profile commissions, performances, recordings, and awards. The five faculty members’ diverse interests ensure that students will find a suitable mentor/supervisor. The resources of the Digital Composition Studios also offer students an opportunity to work with a wide range of cutting-edge approaches to music technology, including mixed works, interactive composition, gestural controllers, acousmatic works, multichannel audio, computer-assisted composition, and more. Students also benefit from international new music festivals and conferences co-sponsored by the Schulich School of Music, a visiting artist series, and high-quality performances, readings, and recordings of their works by some of the school’s most esteemed ensembles (e.g., McGill Symphony Orchestra, McGill Contemporary Music Ensemble, etc.) and advanced performers. Commissioning opportunities exist through an established composer-in-residence program and through student-initiated performer-composer and interdisciplinary collaborations. Graduates have continued their studies at the doctoral level and then gone on to win prestigious awards (e.g., Jules Leger Prize); they also have successful careers in composition, film, literature, conducting, and teaching.

section 26.11.1.6: Master of Arts (M.A.); Music — Music Education (Thesis) (45 credits)

This program provides an opportunity for studio- and classroom-based teachers, and music educators working in other community settings, to explore current issues in music education and to implement their own research studies. Seminars develop facility in a breadth of research methodologies and examine pertinent research developments in different fields, while simultaneously providing opportunities to link with other departments such as the faculties of Education, Cognitive Psychology, and Physiology. Ties with The Centre for Interdisciplinary Research in Music, Media, and Technology (CIRMMT), and Teaching and Learning Services provide a strong supportive network for interdisciplinary and multilingual research. Experienced faculty publishes regularly in the field’s leading journals in areas such as musical development, music perception, world and community-based music education, philosophical issues in music education, performance anxiety, music performance adjudication, technological applications, and the physiological bases of musical performance. Graduates of the program continue on to doctoral studies and pursue teaching careers around the world in various settings.

section 26.11.1.7: Master of Arts (M.A.); Music — Music Technology (Thesis) (45 credits)

The M.A. in Music Technology is the only program of its kind in the world to apply cutting-edge scientific research to music and music making. Students are accepted from a wide range of musical backgrounds. Research goals are tied to the work of the area’s five faculty members and include the development of new and flexible strategies for sound analysis, real-time processing, synthesis and gestural control, instrument design, melodic pattern recognition, auditory display, music information retrieval, and symbolic manipulation of formal music representations, as well as the psychoacoustics of musical sounds and structures, among others. Students’ research is supported by the six laboratories forming the large multidisciplinary research infrastructure of The Centre for Interdisciplinary Research in Music, Media and Technology (CIRMMT), almost unlimited technological resources (e.g., computing power,
**section 26.11.1.7: Master of Arts (M.A.); Music — Music Technology (Thesis) (45 credits)**

storage, measuring devices including several motion-capture systems), The Digital Composition Studio, and state-of-the-art recording and acoustic environments, as well as opportunities to collaborate with accomplished performers and researchers in other music disciplines. Graduates hold commercial positions related to media technologies (e.g., gaming and audio industries) and continue their studies at the doctoral level in preparation for academic careers.

**section 26.11.1.8: Master of Arts (M.A.); Music — Musicology (Thesis) (45 credits)**

This program is for students interested in developing research projects that bridge traditional methodologies with new critical approaches in musicology. The area’s humanistic orientation emphasizes the importance of political, social, and literary history, while also encouraging students to develop their skills in musical analysis, their sensitivity to different styles and performance practices, and their awareness of issues in aesthetics. Students receive guidance from leading scholars whose internationally acclaimed research ranges from medieval and renaissance music to the popular music of today. Collaborations with students from other areas and the doctoral program in seminars facilitate out-of-the-box thinking; opportunities to explore interdisciplinary research topics also exist through links with other departments, the Institute for the Public Life of Art and Ideas, and the Centre for Interdisciplinary Research in Music, Media, and Technology. The area also provides valuable pedagogical training through teaching assistantships in undergraduate music history courses. Graduates often continue their studies at the doctoral level at McGill and other major North American universities; others pursue careers in teaching, arts management, music business, journalism, and archival curation, among others.

**section 26.11.1.9: Master of Arts (M.A.); Music — Musicology (Thesis) — Gender and Women’s Studies (45 credits)**

This program is open to students who qualify for the M.A. in Musicology (thesis option) who are interested in cross-disciplinary research that focuses on issues centrally related to gender, sexuality, feminist theory, and/or women’s studies. Musicology requirements are augmented by participation in a Graduate Feminism Symposium that engages with a diverse array of critical and empirical perspectives. The program draws on the resources of the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University. Supporting music faculty has interests in opera, film studies, aesthetics, theory of performance, and popular/jazz studies.

**section 26.11.1.10: Master of Music (M.Mus.); Sound Recording (Non-Thesis) (60 credits)**

This internationally renowned program is a course-based, professional training program designed for musicians who wish to develop the skills required in the music recording and media industries. It is based on the German Tonmeister program and offers extensive, focused, hands-on opportunities to record a broad spectrum of solo recitals, large opera, and symphonic repertoire with soloists and choirs, and complex Jazz Band and pop idioms. McGill’s professional-quality facilities provide state-of-the-art equipment for research and the recording of any size of ensemble in high-resolution multichannel audio and high definition video, and include a variety of audio recording studios equipped for surround recording, four concert hall recording spaces, a technical ear training lab, an orchestral film scoring stage, an opera studio, and post-production and editing suites. The Faculty includes prominent researchers as well as award-winning recording engineers and producers in the fields of music production, television, and film sound familiar with cutting-edge technologies and new developments. The program also has close ties with industry that facilitate opportunities for internships. Graduates are leaders in the field working in highly respected studios around the world and winning both creative and scientific international competitions.

**section 26.11.1.11: Master of Arts (M.A.); Music — Theory (Thesis) (45 credits)**

The M.A. in Theory is for students interested in exploring how specific pieces of music are put together and how this understanding may be generalized to relate to the way other pieces of music are composed. Music theory and elective seminars develop expertise in various analytical models and familiarity with the critical issues that define the discipline as a basis for developing individual research projects. Collaborations with students from other areas and the doctoral program in seminar discussions facilitate out-of-the-box thinking; opportunities to explore interdisciplinary research topics in perception and cognition exist through collaborations with music researchers from the Centre for Interdisciplinary Research in Music, Media, and Technology. The area also provides valuable pedagogical training through teaching assistantships in undergraduate theory courses. The Faculty has a breadth of experience in early music theory, formal functions, Schenkerian analysis, mathematical models, theories of rhythm and meter, serialism, and popular music analysis. Graduates have been accepted into doctoral programs at Yale, Eastman, Harvard, Columbia, Oxford, and Cambridge, among others.

**section 26.11.1.12: Master of Arts (M.A.); Music — Theory (Thesis) — Gender and Women’s Studies (45 credits)**

This program is open to students who qualify for the M.A. in Theory (thesis option) who are interested in cross-disciplinary research that focuses on issues centrally related to gender, sexuality, feminist theory, and/or women’s studies. Theory requirements are augmented by participation in a Graduate Feminism Symposium that engages with a diverse array of critical and empirical perspectives. The program draws on the resources of the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University.

**section 26.11.1.13: Master of Arts (M.A.); Music — Music Education (Non-Thesis) (45 credits)**

This course-based program has options in music education, musicology, and theory. Seminars provide breadth of disciplinary knowledge and understanding of research methodologies and critical issues. Expertise in two areas is developed through two written papers. Students receive guidance from leading scholars whose internationally acclaimed research covers a broad spectrum of topics central to each discipline. Collaborations with students from other areas and the doctoral program in seminars facilitate out-of-the-box thinking.
The Option in Music Education provides an opportunity for studio-, classroom-, and community-based music educators to read, understand, and apply research studies in different fields to their own practices.

The Option in Musicology is for students interested in a humanistic orientation to topics in music history and musicology that bridges traditional methodologies with new critical approaches.

The Option in Theory develops skill with different analytical models and the ways in which they may be used to explore how specific pieces of music are put together.

Some graduates continue to doctoral studies; others pursue careers in teaching, arts management, music business, and librarianship, among others.

The Master of Music: Vocal Pedagogy is not being offered in the 2011-2012 academic year.

The M.Mus. in Jazz Performance is flexibly designed to offer specialization in Jazz Composition, Jazz Performance, and Jazz Orchestra training. All students take courses in jazz pedagogy, composition, and arranging, and benefit from close interaction with a diverse, creative, and professionally active faculty. A recital and a CD recording of original music are the principal thesis requirements. The program is not being offered in the 2011-2012 academic year.

Established in 1975, this program is the longest-standing Early Music program in North America. It offers early music specialists interested in historical performance practices a rich variety of performing experiences, including 15-20 chamber ensembles (vocal, madrigal, viol, and recorder consorts, etc.), the Cappella Antica, and the Baroque Orchestra. McGill is also the only North American music faculty to produce a fully staged performance of an early opera every year. Recent productions include: Handel’s Alcina, Agrippina, and Imeneo, Lully’s Thésée, and Purcell’s Dido, and Aeneas. Faculty are prominently involved in Montreal’s internationally acclaimed Early Music community. The Schulich School of Music also owns a large collection of early instruments that is available to students. Graduates perform with Montreal-based early music ensembles, including, among others, Les Violons du Roy and the Arion Baroque Orchestra, as well as Aradia and Tafelmusik in Toronto, and various ensembles in Europe (e.g., Concerto Palatino, Centre de musique baroque de Versailles).

The premiere orchestral training program in Canada, this program is for talented instrumental musicians and guitarists wishing to hone their artistry and expressive, interpretative skills in a flexibly designed curriculum rich in performance opportunities. Ensembles emulate professional settings, and include five orchestras—two full orchestras (the renowned McGill Symphony Orchestra and the McGill Sinfonetta), one opera orchestra, one baroque orchestra, and one contemporary music ensemble—as well as one large wind symphony and one guitar ensemble. Opportunities for chamber music also abound. String players benefit from a rigorous string quartet training program and trail-blazing pedagogical approaches. Brass and wind musicians also perform a wide range of large ensemble repertoire for their instruments; percussionists perform, tour, and record with the esteemed McGill Percussion Ensemble. Thesis recitals foster individual creativity and diversity by offering a range of options important for orchestral musicians—orchestral excerpt exams run like orchestral auditions, chamber music recitals, and concerto competitions—as well as solo recitals, sound recording, and interdisciplinary projects including collaborations with composers and the Digital Composition Studio, among others. There is a focus on healthy performance and a broad range of seminars that ground performance practice in the broader humanistic and scientific contexts of music and artistic research-creation. Ensemble conductors are world-class; faculty include the concertmasters and principal players of major Canadian orchestras, including the Montreal Symphony Orchestra; percussion instructors have international profiles and a breadth of experience in world and contemporary repertoires. Graduates have secured positions in orchestras throughout North and South America, and in Europe, with the Canadian Opera Company, Ensemble Moderne, and others.

Students in this program develop their artistry as collaborative musicians in vocal, instrumental, and opera repetiteur settings. The program is not a chamber music program in that it prepares pianists to assume coaching responsibilities as well as collaborate with other musicians. Candidates need to have excellent technique and interpretative skills, sight-reading abilities, and previous collaborative experience. The program is flexibly defined to allow students to specialize or gain experience in a variety of settings and with a broad cross-section of vocal, instrumental, orchestral, and theatrical repertoire. Concert recitals, choral ensembles, studio lessons with high-quality performers, and opera productions provide professional settings in which students master their craft. Faculty includes internationally renowned collaborative pianists, vocal coaches, conductors, and stage directors. Graduates pursue careers as collaborative pianists, accompanists, opera repetiteurs, studio teachers, and coaches.
Graduate Diploma in Music Technology. Students also benefit from exposure to a wide range of cutting-edge approaches to high-profile commissions, performances, recordings, and awards. The digital media and contemporary music faculty performs internationally and has diverse teaching, coaching, and adjudicating experience in a broad range of solo, chamber, and concerto repertoires. Graduates often continue their studies at the doctoral level, having been selected for national/international competitions, and pursue careers as collaborative pianists, opera coaches, and as independent studio teachers.

The M.Mus in Opera and Voice develops vocal growth and artistic expression by immersing students in a vibrant musical environment that blends performance training with humanities-based scholarship. The flexibly designed program revolves around an integrated opera seminar involving all studios and includes collaborative opportunities in instrumental, vocal, and contemporary music performance at a high level, piano pedagogy, and performance practice through fortepiano/harpichord study as options. Recital options include solo and chamber music performance, sound recording, and interdisciplinary projects, including collaborations with strong digital students and the Digital Music Studio. Dynamic faculty performs internationally and has diverse teaching, coaching, and adjudicating experience in a broad range of solo, chamber, and concerto repertoires. Graduates often continue their studies at the doctoral level, have been selected for national/international competitions, and pursue careers as collaborative pianists, opera coaches, and as independent studio teachers.

This program provides talented organists and church music scholars with an opportunity to hone their artistry and interpretive skills. The flexibly designed program combines performance with seminars in historically informed performance practice, music and liturgy, counterpoint, improvisation, continuo playing, and choral conducting, among other options. Thesis performance options allow for creativity and diversity by including options for solo and chamber music recitals, concerto performances, recording projects, church music projects, and opportunities for interdisciplinary research and creative collaborations with strong composers and other departments. Students benefit from excellent facilities that include practice organs built by Beckerath, Casavant, Tsuji, Wilhelm, and Wolff, as well as the famous French classical organ in Redpath Hall. A number of assistantships are available in downtown churches with some of Montreal’s most distinguished church musicians. Graduates have won prizes in major national and international competitions and pursue church music careers around the world.

Students in this program specialize in orchestral, wind, or choral conducting. Enrollment is limited to the outstanding candidates having highly developed musical skills in voice, instrumental, or piano performance. The program provides for concentrated podium time, interactions with world-class conductors, score study, and the development of rehearsal technique. A range of seminars provides for the in-depth study of performance practice and the development of analytical skills with leading scholars in musicology and theory. Thesis performance projects involve concert recitals with various Schulich School of Music ensembles. Some graduates continue on to doctoral studies; others pursue conducting and teaching positions in schools, orchestras, and as opera assistants.

The M.Mus in Opera and Voice develops vocal growth and artistic expression by immersing students in a vibrant musical environment that blends performance training with humanities-based scholarship. The flexibly designed program revolves around an integrated opera seminar involving all studios and includes collaborative opportunities in instrumental, vocal, and contemporary music performance at a high level, piano pedagogy, and performance practice through fortepiano/harpichord study as options. Recital options include solo and chamber music performance, sound recording, and interdisciplinary projects, including collaborations with strong digital students and the Digital Music Studio. Dynamic faculty performs internationally and has diverse teaching, coaching, and adjudicating experience in a broad range of solo, chamber, and concerto repertoires. Graduates often continue their studies at the doctoral level, have been selected for national/international competitions, and pursue careers as collaborative pianists, opera coaches, and as independent studio teachers.

This program provides talented organists and church music scholars with an opportunity to hone their artistry and interpretive skills. The flexibly designed program combines performance with seminars in historically informed performance practice, music and liturgy, counterpoint, improvisation, continuo playing, and choral conducting, among other options. Thesis performance options allow for creativity and diversity by including options for solo and chamber music recitals, concerto performances, recording projects, church music projects, and opportunities for interdisciplinary research and creative collaborations with strong composers and other departments. Students benefit from excellent facilities that include practice organs built by Beckerath, Casavant, Tsuji, Wilhelm, and Wolff, as well as the famous French classical organ in Redpath Hall. A number of assistantships are available in downtown churches with some of Montreal’s most distinguished church musicians. Graduates have won prizes in major national and international competitions and pursue church music careers around the world.

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Graduate and Postdoctoral Studies Programs, Courses and University Regulations

Section 26.11.1.27: Doctor of Music (D.Mus.); Music — Performance Studies

This program is for the artist/scholar. Students perform at a professional or near-professional level and have well-defined research interests linked to their performance. A broad range of seminars ground performance practice in the broader humanistic and scientific contexts of music and artistic research-creation. Seminars encourage the critical thinking and the fertile exchange of ideas that promote new ways of engaging with music by providing a forum in which performers can interact with students in other areas. Comprehensive examinations provide students with an opportunity to develop credentials in three areas of expertise in preparation for teaching careers, while articulating the background and critical issues surrounding their thesis work. The latter consists of a lecture/recital and a paper (including a recording of the recital). Students benefit from exceptional mentoring by internationally renowned coaches, the research expertise of faculty from the Department of Music Research, masterclasses, opportunities to collaborate with strong composition students, and the rich performance life of the Schulich School of Music and Montreal. Students win major fellowships (SSHRC, Fulbright, FQRSC, Canada Council). Graduates have won major national and international competitions and pursue teaching and performing careers in a wide variety of contexts globally.

Ph.D. in Music

Students in the Ph.D. program pursue original research that makes a significant contribution to the fields of Composition, Music Education, Musicology, Music Technology, Sound Recording, and Theory. Seminars, a doctoral colloquium, visiting lecturer series, and international conferences provide forums for students from different areas to interact by encouraging the critical thinking and fertile exchange of ideas that promote new ways of engaging with music through listening, performing, cutting-edge technologies, and analytical methods. Opportunities for inter- and cross-disciplinary collaborations exist through the Centre for Interdisciplinary Research in Music, Media, and Technology, the Institute for the Public Life of Art and Ideas, The Institute for Gender, Sexuality, and Feminist Studies, the Performance Department, and other departmental links across the University and, in the technology areas, with industry. Supportive faculty recognized internationally as leaders in their respective disciplines mentor students from admission through job placements. Travel funding exists for students to present papers at conferences; many students win external scholarships (SSHRC, FQRSC, Rhodes Scholar, etc.) and national and international awards; students gain valuable pedagogical or technological training through teaching and lab assistantships. Graduates pursue careers in academia, industry, composition, and various other arts-related fields.

Section 26.11.1.28: Doctor of Philosophy (Ph.D.); Music — (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory)

The thesis for the Ph.D. in composition involves the creation of an original large-scale work and research that increases our understanding of music and musical processes. Students in music education investigate a broad spectrum of critical issues through a variety of quantitative and qualitative methodologies. The Musicology area adopts a humanistic orientation that bridges traditional methodologies with new critical approaches. Research in Music Technology and Sound Recording can lead to patents, among other outcomes and benefits from unlimited technological resources. Theorists engage with all repertoires and analytical methods.

Section 26.11.1.29: Doctor of Philosophy (Ph.D.); Music — Gender and Women's Studies

This program is open to doctoral students who are interested in cross-disciplinary research that focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies. Music requirements are augmented by participation in a Research Methods course and a Graduate Feminism Symposium that engages with a diverse array of critical and empirical perspectives and a research method. The program draws on the resources of the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University. Supporting music faculty has interests in Opera, film studies, aesthetics, theory of performance, and popular/jazz studies.

26.11.3 Schulich School of Music Admission Requirements and Application Procedures

26.11.3.1 Admission Requirements

Master’s Degrees

Applicants for the master’s degree must hold a B.Mus. or a B.A. degree with a Major or Honours in music including considerable work done in the area of specialization.

Applicants found to be deficient in their background preparation may be required to take certain additional undergraduate courses.

All applicants (except those for performance, musicology, and sound recording) will be required to take placement examinations.

Applicants to the Composition, Music Education, Music Technology, Musicology, Sound Recording, and Theory programs are requested to submit samples of work done in their special area.

Applicants to the Music Education program should normally have had two years of teaching experience.

All applicants to the Performance programs will be required to pass an entrance audition. Only those applicants who clearly demonstrate the potential to become professional performers on their instruments will be admitted. Master's applicants to female voice and conducting are required to submit audition material by the specified dates for guaranteed consideration.

Applicants to the Vocal Pedagogy Option should have a minimum of three to four years' experience in studio teaching.

A reading knowledge of German is strongly recommended as a prerequisite for graduate work in Choral Conducting, Musicology, and Theory.

Prerequisite Undergraduate Courses for M.Mus. – Sound Recording

In order to be considered for admission to the Master of Music in Sound Recording, students must have a B.Mus. degree and must attain a minimum grade of “B” in all of the courses listed below.

Schulich School of Music:
Prerequisite Undergraduate Courses for M.Mus. – Sound Recording

- MUCO 260 Instruments of the Orchestra
- MUMT 202 Fundamentals of New Media
- MUMT 203 Introduction to Digital Audio
- MUSR 232 Introduction to Electronics
- MUSR 300D1/MUSR 300D2 Introduction to Music Recording
- MUSR 339 Introduction to Electroacoustics

One of (complementary):

- MUMT 302 New Music Production 1
- MUMT 306 Music and Audio Computing 1

Faculty of Science:

- PHYS 224 Physics of Music
- PHYS 225 Musical Acoustics

Prerequisite Undergraduate Courses for M.Mus. – Performance

Applicants to the performance program are expected to have a background in Music Theory equivalent to the B.Mus. in Performance. Applicants found to be deficient in their background preparation may be required to take certain additional music theory undergraduate courses.

Vocal Pedagogy

*This program is not being offered in 2011-2012. Please contact the School for more information.*

- MUPD 560 Intro to Research Methods in Music
- MUPG 210 Italian Diction
- MUPG 211 French Diction
- MUPG 212 English Diction
- MUPG 213 German Diction

Two of:

- MUHL 372 Solo Song outside Germany and Austria
- MUHL 377 Baroque Opera
- MUHL 387 Opera from Mozart to Puccini
- MUHL 388 Twentieth-Century Opera
- MUHL 390 The German Lied

Jazz Performance

- MUHL 393 History of Jazz
- MUJZ 440D1/MUJZ 440D2 Advanced Jazz Composition
- MUJZ 461D1/MUJZ 461D2 Advanced Jazz Arranging
- MUJZ 493 Jazz Performance Practice

Early Music

- MUPD 560 (1) Intro to Research Methods in Music

3 credits from the following:

- MUHL 377 (3) Baroque Opera
- MUHL 380 (3) Medieval Music
- MUHL 381 (3) Renaissance Music
- MUHL 382 (3) Baroque Music
- MUHL 383 (3) Classical Music
- MUHL 395 (3) Keyboard Literature before 1750
- MUPP 381 (3) Topics in Performance Practice
- MUTH 426 (3) Topics in Early Music Analysis
Prerequisite Undergraduate Courses for M.Mus. – Performance

**Pianoforte (3 credits):**

MUHL 366 (3) The Era of the Fortepiano

**Harpsichord (6 credits):**

MUPG 272D1/MUPG 272D2 (4) Continuo
MUPG 372 D1/D2 (2) Continuo

**Voice (6 credits):**

6 credits of the following:

- MUPG 210 (2) Italian Diction (or equivalent)
- MUPG 211 (2) French Diction (or equivalent)
- MUPG 212 (2) English Diction (or equivalent)
- MUPG 213 (2) German Diction (or equivalent)

**Orchestral Instruments and Guitar**

MUPD 560 (1) Intro to Research Methods in Music

**Collaborative Piano**

MUPD 560 (1) Intro to Research Methods in Music

4 credits of:

- MUPG 210 (2) Italian Diction
- MUPG 211 (2) French Diction
- MUPG 212 (2) English Diction
- MUPG 213 (2) German Diction

6 credits of:

- MUHL 372 (3) Solo Song Outside Germany and Austria
- MUHL 390 (3) German Lied
- MUHL 377 (3) Baroque Opera
- MUHL 387 (3) Opera from Mozart to Puccini
- MUHL 388 (3) Twentieth Century Opera

**Piano**

MUPD 560 (1) Intro to Research Methods in Music

**Opera and Voice**

MUPD 560 (1) Intro to Research Methods in Music
MUPG 210 (2) Italian Diction
MUPG 211 (2) French Diction
MUPG 212 (2) English Diction
MUPG 213 (2) German Diction

One of:

- MUHL 372 (3) Solo Song Outside Germany and Austria
- MUHL 377 (3) Baroque Opera
- MUHL 387 (3) Opera from Mozart to Puccini
- MUHL 388 (3) Twentieth Century Opera
- MUHL 390 (3) The German Lied

**Organ and Church Music**
Prerequisite Undergraduate Courses for M.Mus. – Performance

- MUPD 560 (1) Introduction to Research Methods in Music
- MUPG 272D1/D2 (4) Continuo

Conducting

- MUPD 560 (1) Intro to Research Methods in Music
- MUSP 170 (1) Keyboard Proficiency 1
- MUSP 171 (1) Keyboard Proficiency 2

Choral Conducting:

- MUCT 235 (3) Vocal Techniques
- MUCO 261 (2) Orchestration 1
- MUHL 397 (3) Choral Literature after 1750

or

Orchestral and Wind Conducting:

4 credits of:

- MUCO 261 (2) Orchestration 1
- MUCO 360 (2) Orchestration 2
- MUCO 460 (2) Orchestration 3

and

- MUHL 389 (3) Orchestral Literature

or

- MUHL 398 (3) Wind Ensemble Literature after 1750

Graduate Diploma in Professional Performance

Applicants for the graduate diploma must hold a M.Mus. or B.Mus. degree with equivalent professional experience. All musicians must be highly accomplished performers and are required to submit a screening DVD by the dates for guaranteed consideration. Only the most advanced applicants will be invited to pass a live entrance audition. Chamber ensembles must apply and complete diploma requirements as a formed ensemble.

D.Mus. Degree

Applicants for the D.Mus. degree in Composition must hold an M.Mus. degree in Composition, or its equivalent, and must submit scores and/or recordings of their compositions at the time of application.

Applicants for the D.Mus. degree in Performance Studies must hold an M.Mus. degree in Performance, or its equivalent, and are required to submit a screening DVD, samples of written work, and a statement of research interests by the specified dates for guaranteed consideration. Only the most advanced applicants will be invited to pass a live entrance audition and interview.

Ph.D. Degree

Applicants for the Ph.D. degree in Composition must hold an M.Mus. in Composition or equivalent and must submit scores and/or recordings of their compositions at the time of application, and a written description (no more than two pages) of the research path(s) they wish to follow.

Applicants for the Ph.D. degree in Music Education, Music Technology, Musicology, Sound Recording, Music – Gender and Women's Studies, or Theory must hold a master's or a bachelor's degree equivalent to a McGill degree, in Music Technology, Music Education, Musicology, or Theory. Applicants with a bachelor's degree will normally be admitted to the M.A. program for the first year and may apply for admittance to the Ph.D. program after the completion of one full year of graduate coursework. Qualified applicants who have already completed an appropriate master's degree will be admitted to the second year of the program.

26.11.1.3.2 Application Procedures

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply. The web application process will automatically charge a $100 application fee and, for Performance degrees, a $60 audition fee.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Application will be considered upon receipt of:

1. online web application;
2. two official copies of transcripts, sent directly by the registrars of all universities attended (if documents are written in a language other than English or French, please submit an official certified translation in addition to the original documents);

3. two signed original letters of reference, on official letterhead; emailed letters are also accepted; for guidelines, please consult the following website: www.mcgill.ca/music/future-students/graduate/entrance-requirements;

4. submissions appropriate to area of specialization (www.mcgill.ca/music/future-students/graduate/entrance-requirements);

5. all M.Mus. applicants in conducting and female voices will be required to submit recordings for pre-selection. All D.Mus. Performance Studies and Diploma in Professional Performance applicants will be required to submit a DVD for pre-selection. Following a review of these DVDs, selected applicants will be invited to attend a live audition (www.mcgill.ca/music/future-students/graduate/audition-requirements);

6. TOEFL test results, where applicable (www.mcgill.ca/music/future-students/graduate/entrance-requirements).

All supporting documentation is to be submitted to Patrick O'Neill, Admissions Officer, Schulich School of Music, 555 Sherbrooke Street West, Montreal, QC, H3A 1E3. (graduateadmissions.music@mcgill.ca)

26.11.1.4 Schulich School of Music Faculty

Dean, Schulich School of Music

Sean Ferguson

Director, Graduate Studies

Eleanor Stubley

Chairs

Jean Lesage – Department of Performance

Lloyd Whitesell – Department of Music Research

Associate Dean (Administration)

TBA

Professors

William Caplin; B.M.(USC), M.A., Ph.D.(Chic.) (James McGill Professor)

Brian Cherney; Mus.Bac., Mus.M., Ph.D.(Tor.)

Kevin Dean; B.M.E.(Iowa), M.Mus.(Miami)

John Grew; L.T.C.L.(Lond.), B.Mus.(Mt. All.), M.Mus.(Mich.) D.D.(U.T.C.), LL.D.(Mt. All.), University Organist

Steven Huebner; B.A., B.Mus., L.Mus.(McG.), M.F.A., Ph.D.(Princ.) (James McGill Professor)

Stephen McAdams; B.Sc.(McG.), Ph.D.(Stan.), D.Sc.(Paris) (Canada Research Chair)

John Rea; B.Mus.(Wayne St.), M.Mus.(Tor.), M.F.A., Ph.D.(Princ.)

Joel Wapnick; B.A.(NYU), M.A.(SUNY), M.F.A.(Sarah L.), Ed.D.(Syrac.)

Wieslaw Woszczyk; M.A., Ph.D.(F. Chopin Academy of Music, Warsaw) (James McGill Professor)

Associate Professors

Stefano Algieri

Theodore Baskin; B.Mus.(Curtis), M.Mus.(Auck.), Principal Oboe, Montreal Symphony

Tom Beghin; Diplôme Supérieure(Louvain), M.A., D.M.A.(C'nell)

Denys Bouliane; B.Mus., M.Mus.(Laval), Graduate, Hochschule für Musik(Hamburg)

David Brackett; B.A.(Calif.-Santa Cruz), M.M.(New England Cons.), D.M.A.(C'nell)

Edward Carroll; B.Mus., M.Mus.(Juilliard)

Alain Cazes; Premier Prix(Cons. de Montréal)

Carolyn Christie; B.Mus.(McG.), Montreal Symphony

Jonathan Crow; B.Mus.(McG.)
Associate Professors

Julie Cumming; B.A.(Col.), M.A., Ph.D.(Calif., Berk.)

Martha de Francisco; Diploma(Musikkhoehschule, Detmold)

Philippe Depalle; B.Sc.(Paris XI and ENS Cachan), D.E.A.(Le Mans and ENS Cachan), Ph.D.(Le Mans & IRCAM)

Sean Ferguson; B.Mus.(Alta.), M.Mus., D.Mus.(McG.)

Gordon Foote; B.Sc., M.A.(Minn.)

Ichiro Fujinaga; B.Mus., B.Sc.(Alta.), M.A., Ph.D.(McG.)

Matt Haimovitz; B.A.(Harv.)

Patrick Hansen; B.Mus.(Simpson), M.Mus.(Missouri)

Kyoko Hashimoto; B.A.(Tokyo), Professional Studies(Juilliard)

Alexis Hauser; Diplom(Konservatorium der Stadt, Wien)


Timothy Hutchins; Dip., L.G.S.M.(Guildhall), B.A.Hons.Mus.(Dal.), Principal Flute, Montreal Symphony

Jan Jarczyk; B.A., M.A.(Academy of Music, Cracow), Dip.(Berklee)

Abe Kestenberg

Richard King; B.Mus.(Dal.), M.Mus.(McG.)

Hank Knox; B.Mus., M.Mus.(McG.) (William Dawson Scholar)

Sara Laimon; B.Mus.(Br. Col.), M.Mus.(Yale), D.M.A.(SUNY, Stony Brook)

George Massenburg

Michael McMahon; B.Mus.(McG.), Graduate, Hochschule für Musik(Vienna)

Douglas McNabney; B.Mus.(Tor.), M.M.(W. Ont.), D.Mus.(Montr.)

Marina Mdivani; Post-graduate Dip.(Moscow Cons.)

Dennis Miller; Principal Tuba, Montreal Symphony

Christoph Neidhöfer; Graduate, Hochschule für Musik(Basel), Ph.D.(Harv.)


Winston Purdy; B.Mus.(McG.), M.M.(Eastman)

André Roy; B.Mus.(Curtis)

Gary Scavone; B.Sc., B.A.(Syrac.), M.Sc., Ph.D.(Stan.)

Peter Schubert; B.A., M.A., Ph.D.(Col.)

Thérèse Sevadjian; B.Mus., M.Mus.(Montr.)

Eleanor Stubley; B.Mus.(Tor.), M.Mus.(Bran.), Ph.D.(Ill.)

Joe Sullivan; B.A.(Ott.), M.M.(New England Cons.)

Julian Wachner; B.Mus., D.Mus.(Boston)

Marcelo Wanderley; B.Eng.(UFPR), M.Eng.(UFSC), Ph.D.(Paris VI and IRCAM)

André White; B.A.(C'dia), M.Mus.(McG.)

Lloyd Whitesell; B.A.(Minn.), M.A., Ph.D.(Stony Brook)

Thomas Williams; B.Mus.(Bran.)

John Zirbel; B.Mus.(Wisc.), Principal Horn, Montreal Symphony

Assistant Professors

Lisa Barg; B.A.(Antioch), M.A., Ph.D.(Stony Brook)

Nicole Biamonte; B.F.A.(SUNY Purchase), Ph.D., M.Phil.(Yale)

Rémi Bolduc
### Assistant Professors

James Box; B.M.(Southern Methodist U.), M.M.(Cleveland Inst. Music), Principal Trombone, Montreal Symphony  
Isabelle Cossette; Premier Prix(Cons. de Québec), M.Mus.(McG.), D.Mus.(Montr.)  
Robert Crowley; B.M.(Eastman), M.M.(Cleveland); Principal Clarinet, Montreal Symphony  
René Daley; B.Mus.(Lawrence), M.A., M.Mus.(Mannes), Ph.D.(Mich.)  
Russell DeVuyst; B.Mus.Ed.(Boston Cons.), M.M.(New England Cons.), Associate Principal Trumpet, Montreal Symphony  
Elizabeth Dolin; B.Mus.(Tor.), Artist Dip.(Ind.)  
Andrew Dunn; P.G.Dip.(GSMD), M.A.(TVV), P.C.R.A.M., L.R.A.M.  
Mark Fewer; B.Mus.(Tor.)  
Jean Gaudreault; LL.L.(Montr.), Graduate, Cons. de Québec, Montreal Symphony  
Chris Harman  
Aiyun Huang; B.A.(Tor.), D.M.A.(Calif.-San Diego)  
Valerie Kinslow; B.A.(McG.)  
Roe-Min Kok; B.Mus.(Texas), M.A.(Duke), Ph.D.(Harv.)  
Joanne Kolomyjec; B.Mus.(Tor.)  
Jean Lesage; Concours, Diplôme d'études supérieures(Cons. de Montréal)  
Stéphane Lévesque; Premier Prix(Cons. de Montréal), M.Mus.(Yale), Principal Bassoon, Montreal Symphony  
Denise Lupien; B.M., M.M.(Juilliard), Concertmaster, Orchestre Métropolitain  
Fabrice Marandola; Premier Prix (Cons. de Paris), M.Mus., Ph.D.(Sorbonne) (Visiting)  
René Quesnel; B.Mus., M.Mus., Ph.D.(McG.)  
Richard Roberts; B.Mus.(Ind.), Concertmaster, Montreal Symphony  
Brian Robinson; B.Mus.(Tor.), Montreal Symphony  
Jennifer Swartz; Dip.(Curtis), Principal Harp, Montreal Symphony  
Sanford Sylvan; B.Mus.(Manhattan School of Music)  
Jonathan Wild; B.Mus., M.A.(McG), Ph.D.(Harv.)

### Adjunct Professors

Soren Bech; M.Sc., Ph.D.(Tech. Univ. of Denmark)  
Durand Begault; B.A.(Calif.-Santa Cruz), M.F.A.(Mills Coll., Calif.), Ph.D.(Calif.-San Diego)  
Jonas Braasch; Ph.D.(Ruhr-Univ. Bochum)  
Steven Epstein; B.S.(Hofstra)  
Kenneth Gilbert; D.Mus.honoris causa(McG.), O.C., F.R.S.C., Hon. RAM  
Lars T. Lih; B.A.(Yale), B.Phil.(Oxf.), Ph.D.(Princ.)  
William Martens; B.A.(Miami), Ph.D.(N'western)  
Jean-Paul Montagnier; B.A., M.A.(Lyon), Ph.D.(Duke)  
Axel Mulder; Drs.(Rijks Universiteit Groningen), Ph.D.(S. Fraser)  
Samuel Pearlman; B.A.(Stony Brook)  
John Roston; B.A., M.A.(McG.)  
Daniel Taylor; L.Mus.(McG.), M.Mus.(Montr.)  
Marc-Pierre Verge; B.A., M.Sc.(Laval), Ph.D.(Eindhoven)  
Herbert Waltl
Faculty Lecturer
Lisa Lorenzino; B.Mus.(Tor.), B.Ed.(Sask.), M.A.(McG.), Ph.D.(Alta.)

26.11.1.5 Master of Music (M.Mus.); Music — Composition (Thesis) (45 credits)

Thesis Courses (27 credits)
The thesis is a composition, accompanied by an analytical essay of approximately 20-30 pages.

- MUGS 684 (6) Master's Thesis Research 2
- MUGS 685 (9) Master's Thesis Research 3
- MUGS 686 (12) Master's Thesis Research 4

Required Courses (6 credits)
- MU CO 622D1 (3) Composition Tutorial
- MU CO 622D2 (3) Composition Tutorial

Complementary Courses (6 credits)
6 credits selected from the following courses:
- MU CO 631 (3) Seminar in Composition 1
- MU CO 632 (3) Seminar in Composition 2
- MU CO 633 (3) Seminar in Composition 3
- MU CO 634 (3) Seminar in Composition 4
- MU CO 635 (3) Seminar in Composition 5
- MU CO 636 (3) Seminar in Composition 6

Elective Courses (6 credits)
6 credits of graduate seminars, at the 500, 600, or 700 level, approved by the Department.

26.11.1.6 Master of Arts (M.A.); Music — Music Education (Thesis) (45 credits)

Thesis Courses (30 credits)
The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of music education.

- MUGS 683 (3) Master's Thesis Research 1
- MUGS 684 (6) Master's Thesis Research 2
- MUGS 685 (9) Master's Thesis Research 3
- MUGS 686 (12) Master's Thesis Research 4

Complementary Courses (15 credits)
15 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department. Normally 9 credits will be seminars in Music Education selected from the following:

- MUGT 610 (3) Seminar - Music Education 1
- MUGT 611 (3) Seminar - Music Education 2
- MUGT 612 (3) Seminar - Music Education 3
- MUGT 613 (3) Seminar - Music Education 4
26.11.1.7 Master of Arts (M.A.); Music — Music Technology (Thesis) (45 credits)

Thesis Courses (30 credits)
The candidate will undertake supervised research leading to a thesis that will utilize or investigate an aspect of musical science and technology.

MUGS 683 (3) Master's Thesis Research 1
MUGS 684 (6) Master's Thesis Research 2
MUGS 685 (9) Master's Thesis Research 3
MUGS 686 (12) Master's Thesis Research 4

Complementary Courses (15 credits)
15 credits of graduate seminars at the 500, 600, or 700 level approved by the Department, 9 credits of which must be Music Technology seminars with the prefix MUMT.

26.11.1.8 Master of Arts (M.A.); Music — Musicology (Thesis) (45 credits)

Thesis Courses (30 credits)
The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of Musicology.

MUGS 683 (3) Master's Thesis Research 1
MUGS 684 (6) Master's Thesis Research 2
MUGS 685 (9) Master's Thesis Research 3
MUGS 686 (12) Master's Thesis Research 4

Required Course (3 credits)
MUHL 529 (3) Proseminar in Musicology

Complementary Courses (12 credits)
12 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department. Normally 6 credits will be in Seminars in Musicology selected from the following:

MUHL 680 (3) Seminar in Musicology 1
MUHL 681 (3) Seminar in Musicology 2
MUHL 682 (3) Seminar in Musicology 3
MUHL 683 (3) Seminar in Musicology 4
MUHL 684 (3) Seminar in Musicology 5
MUHL 685 (3) Seminar in Musicology 6
MUHL 692 (3) Seminar in Music Literature 1
MUHL 693 (3) Seminar in Music Literature 2
MUHL 694 (3) Seminar in Music Literature 3
MUHL 695 (3) Seminar in Music Literature 4
MUHL 696 (3) Seminar in Music Literature 5
MUHL 697 (3) Seminar in Music Literature 6

26.11.1.9 Master of Arts (M.A.); Music — Musicology (Thesis) — Gender and Women's Studies (45 credits)
The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of musicology on a topic centrally related to issues of gender and/or women's studies.
### Thesis Courses (27 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 684</td>
<td>6</td>
<td>Master's Thesis Research 2</td>
</tr>
<tr>
<td>MUGS 685</td>
<td>9</td>
<td>Master's Thesis Research 3</td>
</tr>
<tr>
<td>MUGS 686</td>
<td>12</td>
<td>Master's Thesis Research 4</td>
</tr>
</tbody>
</table>

### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUHL 529</td>
<td>3</td>
<td>Proseminar in Musicology</td>
</tr>
<tr>
<td>WMST 601</td>
<td>3</td>
<td>Feminist Theories and Methods</td>
</tr>
</tbody>
</table>

### Complementary Courses (12 credits)

9 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department. Normally, 6 credits will be seminars in Musicology selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUHL 680</td>
<td>3</td>
<td>Seminar in Musicology 1</td>
</tr>
<tr>
<td>MUHL 681</td>
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<td>Seminar in Musicology 2</td>
</tr>
<tr>
<td>MUHL 682</td>
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</tr>
<tr>
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</tr>
<tr>
<td>MUHL 685</td>
<td>3</td>
<td>Seminar in Musicology 6</td>
</tr>
<tr>
<td>MUHL 692</td>
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<td>Seminar in Music Literature 1</td>
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<td>Seminar in Music Literature 4</td>
</tr>
<tr>
<td>MUHL 696</td>
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</tr>
<tr>
<td>MUHL 697</td>
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<td>Seminar in Music Literature 6</td>
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</tbody>
</table>

3 credits of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 602</td>
<td>3</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

or 3 credits of a graduate seminar at the 500, 600, or 700 level, on Gender/Women's Issues, may be selected from within or outside of the Department. The selection must be approved by the Department.

### 26.11.10 Master of Music (M.Mus.); Sound Recording (Non-Thesis) (60 credits)

#### Required Courses (51 credits)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSR 629D1</td>
<td>2</td>
<td>Technical Ear Training</td>
</tr>
<tr>
<td>MUSR 629D2</td>
<td>2</td>
<td>Technical Ear Training</td>
</tr>
<tr>
<td>MUSR 667</td>
<td>3</td>
<td>Digital Studio Technology</td>
</tr>
<tr>
<td>MUSR 668</td>
<td>3</td>
<td>Digital/Analog Audio Editing</td>
</tr>
<tr>
<td>MUSR 669D1</td>
<td>1.5</td>
<td>Topics: Classical Music Recording</td>
</tr>
<tr>
<td>MUSR 669D2</td>
<td>1.5</td>
<td>Topics: Classical Music Recording</td>
</tr>
<tr>
<td>MUSR 670D1</td>
<td>5</td>
<td>Recording Theory and Practice 1</td>
</tr>
<tr>
<td>MUSR 670D2</td>
<td>5</td>
<td>Recording Theory and Practice 1</td>
</tr>
<tr>
<td>MUSR 671D1</td>
<td>5</td>
<td>Recording Theory and Practice 2</td>
</tr>
</tbody>
</table>
MUSR 671D2 (5) Recording Theory and Practice 2
MUSR 672D1 (3) Analysis of Recordings
MUSR 672D2 (3) Analysis of Recordings
MUSR 674 (3) Electronic and Electroacoustic Measurement
MUSR 677D1 (3) Audio for Video Post-Production
MUSR 677D2 (3) Audio for Video Post-Production
MUSR 678 (3) Advanced Digital Editing and Post-Production

**Elective Courses (9 credits)**

Three 3-credit graduate course electives, approved by the Department.

**26.11.11 Master of Arts (M.A.); Music — Theory (Thesis) (45 credits)**

**Thesis Courses (30 credits)**

The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of Music Theory.

MUGS 683 (3) Master's Thesis Research 1
MUGS 684 (6) Master's Thesis Research 2
MUGS 685 (9) Master's Thesis Research 3
MUGS 686 (12) Master's Thesis Research 4

**Complementary Courses (15 credits)**

12 credits at the 500, 600, or 700 level, approved by the Department. Normally, 9 credits will be seminars in Music Theory selected from the following:

MUTH 652 (3) Seminar in Music Theory 1
MUTH 653 (3) Seminar in Music Theory 2
MUTH 654 (3) Seminar in Music Theory 3
MUTH 655 (3) Seminar in Music Theory 4
MUTH 656 (3) Seminar in Music Theory 5
MUTH 657 (3) Seminar in Music Theory 6

3 credits selected from the following:

MUTH 658 (3) History of Music Theory 1
MUTH 659 (3) History of Music Theory 2

**26.11.12 Master of Arts (M.A.); Music — Theory (Thesis) — Gender and Women's Studies (45 credits)**

**Thesis Courses (27 credits)**

The candidate will undertake supervised research leading to a thesis that will be an in-depth investigation in some specialized field of music theory on a topic centrally related to issues of gender and/or women's studies.

MUGS 684 (6) Master's Thesis Research 2
MUGS 685 (9) Master's Thesis Research 3
MUGS 686 (12) Master's Thesis Research 4

**Required Course (3 credits)**

WMST 601 (3) Feminist Theories and Methods
Complementary Courses (15 credits)

9 credits of graduate seminars at the 500, 600, or 700 level, approved by the Department, selected from the following:

- MUTH 652 (3) Seminar in Music Theory 1
- MUTH 653 (3) Seminar in Music Theory 2
- MUTH 654 (3) Seminar in Music Theory 3
- MUTH 655 (3) Seminar in Music Theory 4
- MUTH 656 (3) Seminar in Music Theory 5
- MUTH 657 (3) Seminar in Music Theory 6

3 credits selected from the following:

- MUTH 658 (3) History of Music Theory 1
- MUTH 659 (3) History of Music Theory 2

3 credits of:

- WMST 602 (3) Feminist Research Symposium

or 3 credits of graduate seminar at the 500, 600, or 700 level, on gender/women's issues, may be selected from within or outside the Department. The selection must be approved by the Department.


Research Project (24 credits)

- MUGS 614 (3) Reading Course 1
- MUGS 615 (3) Reading Course 2
- MUGS 635 (9) Research Paper 1
- MUGS 636 (9) Research Paper 2

Required Courses (21 credits)

Seven 3-credit courses at the 500, 600, or 700 level approved by the Music Education Area, four of which must be in the Music Education Area.

With the approval of the Music Education Area, two of the seven 3-credit courses may be taken in the Faculty of Education.


Research Project (24 credits)

- MUGS 614 (3) Reading Course 1
- MUGS 615 (3) Reading Course 2
- MUGS 635 (9) Research Paper 1
- MUGS 636 (9) Research Paper 2

Required Courses (21 credits)

Seven 3-credit courses at the 500, 600, or 700 level approved by the Musicology Area, four of which must be in the Musicology Area.

One of the courses must be:
### Proseminar in Musicology (3) MUHL 529

#### Master of Arts (M.A.); Music — Theory (Non-Thesis) (45 credits)

**Research Project (24 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 614</td>
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<tr>
<td>MUGS 615</td>
<td>(3)</td>
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<tr>
<td>MUGS 635</td>
<td>(9)</td>
</tr>
<tr>
<td>MUGS 636</td>
<td>(9)</td>
</tr>
</tbody>
</table>

**Required Courses (21 credits)**

Seven 3-credit courses at the 500, 600, or 700 level approved by the Music Theory Area, four of which must be in Music Theory.

One of the courses must be selected from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUTH 658</td>
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</tr>
<tr>
<td>MUTH 659</td>
<td>(3)</td>
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</tbody>
</table>

### Master of Music (M.Mus.); Performance: Vocal Pedagogy (Thesis) (47 credits)

**Recital (12 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>MUPG 660</td>
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**Required Courses (27 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
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<tbody>
<tr>
<td>MUPG 611</td>
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</tr>
<tr>
<td>MUPG 612</td>
<td>(3)</td>
</tr>
<tr>
<td>MUPG 620</td>
<td>(4)</td>
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<tr>
<td>MUPG 621</td>
<td>(4)</td>
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<td>MUPG 622</td>
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</tr>
<tr>
<td>MUPG 650</td>
<td>(3)</td>
</tr>
<tr>
<td>MUPG 693</td>
<td>(3)</td>
</tr>
<tr>
<td>MUPG 694</td>
<td>(3)</td>
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</tbody>
</table>

**Complementary Courses (8 credits)**

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, MUTH.

3 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPG 590</td>
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<tr>
<td>MUPP 690</td>
<td>(3)</td>
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<td>MUPP 691</td>
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<td>MUPP 692</td>
<td>(3)</td>
</tr>
<tr>
<td>MUPP 693</td>
<td>(3)</td>
</tr>
<tr>
<td>MUPP 694</td>
<td>(3)</td>
</tr>
<tr>
<td>MUPP 695</td>
<td>(3)</td>
</tr>
</tbody>
</table>
One of the following:

MUIN 600  (2)  Vocal Repertoire Coaching 1
MUIN 601  (2)  Vocal Repertoire Coaching 2

All courses at the 600 level with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, and MUTH, and MUHL 591D1/D2 Paleography have been approved as electives for M.Mus. students in Performance.

26.11.1.17 Master of Music (M.Mus.); Performance: Jazz Performance (Thesis) (45 credits)

Saxophone, Trumpet, Trombone, Drums, Piano, Guitar, Bass, Voice

Required Courses (12 credits)

MUJZ 601  (3)  Jazz Pedagogy
MUPG 626  ()
MUPG 627  ()
MUPG 628  ()

Complementary Courses (22 credits)

22 credits from one of the following options, A, B, or C:

Option A - Jazz Performance

MUJZ 640  (2)  Jazz Composition & Arranging 1
MUJZ 641  (2)  Jazz Composition & Arranging 2
MUPG 651  (9)  Performance/Composition Recital Project
MUPG 659  (9)  Performance in Recording Media

Option B - Jazz Composition and Arranging

MUJZ 640  (2)  Jazz Composition & Arranging 1
MUJZ 641  (2)  Jazz Composition & Arranging 2
MUPG 652  (9)  Jazz Ensemble Recital Project
MUPG 659  (9)  Performance in Recording Media

Option C - Jazz Orchestra

4 credits from:

MUJZ 640  (2)  Jazz Composition & Arranging 1
MUJZ 641  (2)  Jazz Composition & Arranging 2
MUJZ 644  (2)  Jazz Repertoire Project 1
MUJZ 645  (2)  Jazz Repertoire Project 2

and 18 credits from:

MUPG 651  (9)  Performance/Composition Recital Project
MUPG 652  (9)  Jazz Ensemble Recital Project
Elective Courses (11 credits)
5 credits of ensemble courses with the prefix MUEN (4 credits must be in JAZZ related ensembles)
6 credits from one of the following options, A, B, or C:

Option A - Jazz Performance
One 3-credit graduate seminar at the 600 level approved by the Department.
And
Three (3) credits of ensemble courses with the prefix MUEN.

Option B - Jazz Composition and Arranging:
Two 3-credit graduate seminars at the 600 level approved by the Department.

Option C - Jazz Orchestral:
One 3-credit graduate seminar at the 600 level approved by the Department.
And
3 credits of ensemble courses with the prefix MUEN.

26.11.1.18 Master of Music (M.Mus.); Performance: Early Music (Thesis) (45 credits)
Voice, Baroque Flute, Recorder, Baroque Oboe, Baroque Bassoon, Baroque Violin, Baroque Viola, Baroque Cello, Early Music Clarinet, Viola da Gamba, Organ, Harpsichord, Lute, Early Brass, Fortepiano

Thesis Performance (27 credits)
18 credits:
MUGS 605 (0) Graduate Performance Colloquium
MUIN 620 (3) Performance Tutorial 1
MUIN 621 (3) Performance Tutorial 2
MUIN 622 (3) Performance Tutorial 3
MUPG 600* (9) Recital Project 1

* Solo Recital only

9 credits from:
MUPG 601 (9) Recital Project 2
MUPG 602 (6) Recital Project 3
MUPG 603 (3) Recital Project 4
MUPG 604 (6) Chamber Music Recital
MUPG 605 (3) Recording Project
MUPG 606** (3) Interdisciplinary Project 1
MUPG 607** (6) Interdisciplinary Project 2
MUPG 614* (3) Quick Study

* Voice Only
** Students may take either MUPG 606 or MUGP 607

Complementary Seminars (9 credits)
3 credits from the following:
MUPG 590* (3) Vocal Styles and Conventions
MUPP 690 (3) Performance Practice Seminar 1
MUPP 691 (3) Performance Practice Seminar 2
MUPP 692 (3) Performance Practice Seminar 3
MUPP 693 (3) Performance Practice Seminar 4
MUPP 694 (3) Performance Practice Seminar 5
MUPP 695 (3) Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

- MUHL 591D1 (1.5) Paleography
- MUHL 591D2 (1.5) Paleography
- MUPG 590* (3) Vocal Styles and Conventions
- MUPG 672D1** (1.5) Liturgical Improvisation
- MUPG 672D2** (1.5) Liturgical Improvisation
- MUPG 691 (3) Vocal Ornamentation
- MUTH 602 (3) Keyboard Modal Counterpoint

* If not already taken
** Organ only

or one graduate 3-credit seminar approved by the Department.

** Complementary Performance (9 credits)**

**Instruments:**

- 3 terms of:
  - MUEN 580 (1) Early Music Ensemble

- 6 credits from (may be taken more than once):
  - MUEN 572 (2) Cappella Antica
  - MUEN 573 (2) Baroque Orchestra

**OR**

**Voice:**

- 2 credits of:
  - MUEN 580 (1) Early Music Ensemble

**3 credits:**

- MUIN 610 (1) Vocal Coaching 1
- MUIN 611 (1) Vocal Coaching 2
- MUIN 612 (1) Vocal Coaching 3

- 4 credits from (may be taken more than once):
26.11.19 Master of Music (M.Mus.); Performance: Orchestral Instruments and Guitar (Thesis) (45 credits)

**Thesis Performance (27 credits)**

18 credits:
- MUIN 620 (3) Performance Tutorial 1
- MUIN 621 (3) Performance Tutorial 2
- MUIN 622 (3) Performance Tutorial 3
- MUPG 600 (9) Recital Project 1

9 credits from the following:
- MUPG 601 (9) Recital Project 2
- MUPG 602 (6) Recital Project 3
- MUPG 603 (3) Recital Project 4
- MUPG 604 (6) Chamber Music Recital
- MUPG 605 (3) Recording Project
- MUPG 606* (3) Interdisciplinary Project 1
- MUPG 607* (6) Interdisciplinary Project 2
- MUPG 608** (3) Orchestral Repertoire Examination 1
- MUPG 609** (6) Orchestral Repertoire Examination 2
- MUPG 610** (9) Orchestral Repertoire Examination 3

* May take MUPG 606 or MUPG 607.

** May take MUPG 608 or MUPG 609 or MUPG 610.

**Required Course**
- MUGS 605 (0) Graduate Performance Colloquium

**Complementary Seminars (9 credits)**

One of the following:
- MUPP 690 (3) Performance Practice Seminar 1
- MUPP 691 (3) Performance Practice Seminar 2
- MUPP 692 (3) Performance Practice Seminar 3
- MUPP 693 (3) Performance Practice Seminar 4
- MUPP 694 (3) Performance Practice Seminar 5
- MUPP 695 (3) Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.
Complementary Performance (9 credits)

Orchestral Instruments:
6 credits from the following (may be taken more than once):

MUEN 573 (2) Baroque Orchestra
MUEN 590 (2) McGill Winds
MUEN 594 (2) Contemporary Music Ensemble
MUEN 597 (2) Orchestral Ensembles

Strings:
Two terms of:

MUEN 560 (1) Chamber Music Ensemble

1 credit of:

MUEN 560 (1) Chamber Music Ensemble
MUEN 561 (1) 2nd Chamber Music Ensemble
MUEN 568 (1) Multiple Ensemble 1
MUEN 599 (1) Jazz Studio Orchestra

Winds/Brass:
2 credits from the following (may be taken more than once):

MUEN 589 (1) Woodwind Ensembles
MUEN 591 (1) Brass Consort

1 credit from:

MUEN 560 (1) Chamber Music Ensemble
MUEN 568 (1) Multiple Ensemble 1
MUEN 571 (1) Contemporary Improvisation Ensemble
MUEN 589 (1) Woodwind Ensembles
MUEN 591 (1) Brass Consort
MUEN 599 (1) Jazz Studio Orchestra

Percussion:
3 credits from (may be taken more than once unless otherwise indicated):

MUEN 560 (1) Chamber Music Ensemble
MUEN 568 (1) Multiple Ensemble 1
MUEN 571 (1) Contemporary Improvisation Ensemble
MUEN 598 (1) Percussion Ensembles

MUEN 560 may only be taken once.

Harp:
3 credits from (may be taken more than once unless otherwise indicated):

- MUEN 560 (1) Chamber Music Ensemble
- MUEN 561 (1) 2nd Chamber Music Ensemble
- MUEN 568 (1) Multiple Ensemble 1
- MUEN 571 (1) Contemporary Improvisation Ensemble

MUEN 571 may only be taken once.

OR

Guitar:

Three terms of:

- MUEN 562 (1) Guitar Ensemble

6 credits from the following:

- MUEN 560 (1) Chamber Music Ensemble
- MUEN 561 (1) 2nd Chamber Music Ensemble
- MUEN 568 (1) Multiple Ensemble 1
- MUEN 571 (1) Contemporary Improvisation Ensemble
- MUPG 666 (3) Fretboard Guitar Project
- MUPG 669 (3) Guitar Pedagogy Project

One 3-credit seminar at the 500 or 600 level with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

MUEN 560, MUEN 561 and MUEN 568 may be taken more than once.

26.11.20 Master of Music (M.Mus.); Performance: Collaborative Piano (Thesis) (45 credits)

**Thesis Performance (27 credits)**

18 credits:

- MUIN 620 (3) Performance Tutorial 1
- MUIN 621 (3) Performance Tutorial 2
- MUIN 622 (3) Performance Tutorial 3
- MUPG 600* (9) Recital Project 1
- MUPG 653* (9) Opera Coach Project

* Students may take MUPG 653 or MUPG 600.

9 credits from the following:

- MUPG 601* (9) Recital Project 2
- MUPG 602 (6) Recital Project 3
- MUPG 605 (3) Recording Project
- MUPG 606 (3) Interdisciplinary Project 1
- MUPG 614 (3) Quick Study
- MUPG 653* (9) Opera Coach Project
- MUPG 654 (6) Opera Coach Performance

* Students may take either MUPG 653 (if not already taken) or MUPG 601 (if MUPG 600 not already taken).
Required Courses (3 credits)

- MUGS 605 (0) Graduate Performance Colloquium
- MUPG 687 (1) Collaborative Piano Repertoire 1: Song
- MUPG 688 (1) Collaborative Piano Repertoire 2: Instrumental
- MUPG 689 (1) Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

Complementary Seminars (9 credits)

3 credits from the following:

- MUPG 590 (3) Vocal Styles and Conventions
- MUPG 691 (3) Vocal Ornamentation
- MUPP 690 (3) Performance Practice Seminar 1
- MUPP 691 (3) Performance Practice Seminar 2
- MUPP 692 (3) Performance Practice Seminar 3
- MUPP 693 (3) Performance Practice Seminar 4
- MUPP 694 (3) Performance Practice Seminar 5
- MUPP 695 (3) Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.

Complementary Performance (6 credits)

Two terms of:

- MUEN 584 (1) Studio Accompanying

4 credits from the following (may be repeated unless otherwise noted):

- MUEN 560 (1) Chamber Music Ensemble
- MUEN 561 (1) 2nd Chamber Music Ensemble
- MUEN 579 (1) Song Interpretation 2
- MUEN 580 (1) Early Music Ensemble
- MUEN 584 (1) Studio Accompanying
- MUEN 585 (1) Sonata Masterclass
- MUEN 596 (2) Opera Repetiteur
- MUPG 670* (2) Advanced Continuo 1
- MUPG 671* (2) Advanced Continuo 2

* MUPG 670 and MUPG 671 may not be repeated.

26.11.21 Master of Music (M.Mus.); Performance: Piano (Thesis) (45 credits)

Thesis Performance (27 credits)

18 credits:

- MUIN 620 (3) Performance Tutorial 1
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUIN 621</td>
<td>(3)</td>
<td>Performance Tutorial 2</td>
</tr>
<tr>
<td>MUIN 622</td>
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</tr>
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<td>MUPG 600</td>
<td>(9)</td>
<td>Recital Project 1</td>
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</table>

9 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPG 601*</td>
<td>(9)</td>
<td>Recital Project 2</td>
</tr>
<tr>
<td>MUPG 602*</td>
<td>(6)</td>
<td>Recital Project 3</td>
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<tr>
<td>MUPG 603</td>
<td>(3)</td>
<td>Recital Project 4</td>
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<tr>
<td>MUPG 604</td>
<td>(6)</td>
<td>Chamber Music Recital</td>
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<tr>
<td>MUPG 605</td>
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</tr>
<tr>
<td>MUPG 607**</td>
<td>(6)</td>
<td>Interdisciplinary Project 2</td>
</tr>
</tbody>
</table>

* Students may take either MUPG 601 or MUPG 602 but not both.

** Students may take either MUPG 606 or MUPG 607 but not both.

** Required Courses (3 credits) **

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 605</td>
<td>(0)</td>
<td>Graduate Performance Colloquium</td>
</tr>
<tr>
<td>MUPG 683</td>
<td>(1.5)</td>
<td>Piano Seminar 1</td>
</tr>
<tr>
<td>MUPG 684</td>
<td>(1.5)</td>
<td>Piano Seminar 2</td>
</tr>
</tbody>
</table>

If MUPG 541 and MUPG 542 were taken during the undergraduate degree, MUPG 683 and MUPG 684 may be replaced with one 3-credit graduate seminar or 3 complementary performance credits.

** Complementary Seminars (9 credits) **

One of the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPP 690</td>
<td>(3)</td>
<td>Performance Practice Seminar 1</td>
</tr>
<tr>
<td>MUPP 691</td>
<td>(3)</td>
<td>Performance Practice Seminar 2</td>
</tr>
<tr>
<td>MUPP 692</td>
<td>(3)</td>
<td>Performance Practice Seminar 3</td>
</tr>
<tr>
<td>MUPP 693</td>
<td>(3)</td>
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</tr>
<tr>
<td>MUPP 694</td>
<td>(3)</td>
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</tr>
<tr>
<td>MUPP 695</td>
<td>(3)</td>
<td>Performance Practice Seminar 6</td>
</tr>
</tbody>
</table>

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.

** Complementary Performance (6 credits) **

6 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUEN 571</td>
<td>(1)</td>
<td>Contemporary Improvisation Ensemble</td>
</tr>
<tr>
<td>MUPD 580</td>
<td>(2)</td>
<td>Piano Pedagogy Practicum</td>
</tr>
<tr>
<td>MUPG 614</td>
<td>(3)</td>
<td>Quick Study</td>
</tr>
<tr>
<td>MUPG 646</td>
<td>(1)</td>
<td>Score- and Sight-Reading 1</td>
</tr>
<tr>
<td>MUPG 647</td>
<td>(1)</td>
<td>Score- and Sight-Reading 2</td>
</tr>
<tr>
<td>MUPG 670</td>
<td>(2)</td>
<td>Advanced Continuo 1</td>
</tr>
</tbody>
</table>
MUPG 671 (2) Advanced Continuo 2
MUPG 687 (1) Collaborative Piano Repertoire 1: Song
MUPG 688 (1) Collaborative Piano Repertoire 2: Instrumental
MUPG 689 (1) Collaborative Piano Rep. 3: Orch. Reduction, Opera, Oratorio

OR

6 credits from the following (courses below may be taken more than once):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUEN 560</td>
<td>(1)</td>
<td>Chamber Music Ensemble</td>
</tr>
<tr>
<td>MUEN 561</td>
<td>(1)</td>
<td>2nd Chamber Music Ensemble</td>
</tr>
<tr>
<td>MUEN 568</td>
<td>(1)</td>
<td>Multiple Ensemble 1</td>
</tr>
<tr>
<td>MUEN 578</td>
<td>(1)</td>
<td>Song Interpretation 1</td>
</tr>
<tr>
<td>MUEN 579</td>
<td>(1)</td>
<td>Song Interpretation 2</td>
</tr>
<tr>
<td>MUEN 582</td>
<td>(1)</td>
<td>Piano Ensemble Seminar 2</td>
</tr>
<tr>
<td>MUEN 584</td>
<td>(1)</td>
<td>Studio Accompanying</td>
</tr>
<tr>
<td>MUEN 585</td>
<td>(1)</td>
<td>Sonata Masterclass</td>
</tr>
<tr>
<td>MUEN 588</td>
<td>(1)</td>
<td>Multiple Ensemble 2</td>
</tr>
<tr>
<td>MUEN 590</td>
<td>(2)</td>
<td>McGill Winds</td>
</tr>
<tr>
<td>MUEN 594</td>
<td>(2)</td>
<td>Contemporary Music Ensemble</td>
</tr>
<tr>
<td>MUEN 597</td>
<td>(2)</td>
<td>Orchestral Ensembles</td>
</tr>
<tr>
<td>MUEN 688</td>
<td>(2)</td>
<td>Multiple Ensembles</td>
</tr>
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</table>

**26.11.12 Master of Music (M.Mus.); Performance: Opera and Voice (Thesis) (45 credits)**

**Thesis Performance (27 credits)**

9 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUIN 620</td>
<td>(3)</td>
<td>Performance Tutorial 1</td>
</tr>
<tr>
<td>MUIN 621</td>
<td>(3)</td>
<td>Performance Tutorial 2</td>
</tr>
<tr>
<td>MUIN 622</td>
<td>(3)</td>
<td>Performance Tutorial 3</td>
</tr>
</tbody>
</table>

**Opera Performance Thesis (18 credits)**

9 credits:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPG 600*</td>
<td>(9)</td>
<td>Recital Project 1</td>
</tr>
</tbody>
</table>

* Principal Opera Role only; by audition.

9 credits from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPG 601*</td>
<td>(9)</td>
<td>Recital Project 2</td>
</tr>
<tr>
<td>MUPG 602**</td>
<td>(6)</td>
<td>Recital Project 3</td>
</tr>
<tr>
<td>MUPG 603***</td>
<td>(3)</td>
<td>Recital Project 4</td>
</tr>
<tr>
<td>MUPG 605</td>
<td>(3)</td>
<td>Recording Project</td>
</tr>
<tr>
<td>MUPG 606</td>
<td>(3)</td>
<td>Interdisciplinary Project 1</td>
</tr>
<tr>
<td>MUPG 614</td>
<td>(3)</td>
<td>Quick Study</td>
</tr>
</tbody>
</table>

* Principal Opera Role only; by audition
** Featured Opera Role only; by audition
*** Supporting Opera Role only; by audition

OR

**Voice Thesis Performance (18 credits)**

9 credits:

- MUPG 600* (9) Recital Project 1

* Solo Recital only.

9 credits from:

- MUPG 601* (9) Recital Project 2
- MUPG 602** (6) Recital Project 3
- MUPG 603 (3) Recital Project 4
- MUPG 605 (3) Recording Project
- MUPG 606 (3) Interdisciplinary Project 1
- MUPG 607 (6) Interdisciplinary Project 2
- MUPG 614 (3) Quick Study

* Solo Recital or Principal Opera Role; by audition
** Solo Recital or Featured Opera Role; by audition

**Required Courses (3 credits)**

- MUGS 605 (0) Graduate Performance Colloquium
- MUIN 610 (1) Vocal Coaching 1
- MUIN 611 (1) Vocal Coaching 2
- MUIN 612 (1) Vocal Coaching 3

**Complementary Seminars (9 credits)**

3 credits from the following:

- MUPG 590 (3) Vocal Styles and Conventions
- MUPP 690 (3) Performance Practice Seminar 1
- MUPP 691 (3) Performance Practice Seminar 2
- MUPP 692 (3) Performance Practice Seminar 3
- MUPP 693 (3) Performance Practice Seminar 4
- MUPP 694 (3) Performance Practice Seminar 5
- MUPP 695 (3) Performance Practice Seminar 6

One approved graduate 3-credit seminar with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, MUTH.

3 credits from the following:

- MUPG 590 (3) Vocal Styles and Conventions
- MUPG 691 (3) Vocal Ornamentation
- MUPG 692 (3) Vocal Seminar 2
- MUPG 693 (3) Vocal Treatises and Methods
MUPG 694 (3) Vocal Physiology for Singers

MUPG 590 must be selected if not already taken.

**Complementary Performance (6 credits)**

**Opera:**

Two terms of:

MUEN 696 (2) Opera Theatre

2 credits of:

MUEN 696 (2) Opera Theatre

OR

Two terms of:

MUEN 579 (1) Song Interpretation 2

**Voice:**

6 credits from (may be taken more than once):

MUEN 553 (1) Vocal Chamber Ensemble
MUEN 554 (2) Opera Excerpts
MUEN 560 (1) Chamber Music Ensemble
MUEN 572 (2) Cappella Antica
MUEN 579 (1) Song Interpretation 2
MUEN 580 (1) Early Music Ensemble
MUEN 593 (2) Choral Ensembles
MUEN 696 (2) Opera Theatre

**26.11.23 Master of Music (M.Mus.); Performance: Organ and Church Music (Thesis) (45 credits)**

**Thesis Performance (27 credits)**

18 credits:

MUIN 620 (3) Performance Tutorial 1
MUIN 621 (3) Performance Tutorial 2
MUIN 622 (3) Performance Tutorial 3
MUPG 600 (9) Recital Project 1

9 credits from:

MUPG 601 (9) Recital Project 2
MUPG 602 (6) Recital Project 3
MUPG 603 (3) Recital Project 4
MUPG 605 (3) Recording Project
MUPG 606 (3) Interdisciplinary Project 1
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPG 607</td>
<td>(6)</td>
<td>Interdisciplinary Project 2</td>
</tr>
<tr>
<td>MUPG 676</td>
<td>(9)</td>
<td>Special Project in Church Music</td>
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**Required Course**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 605</td>
<td>(0)</td>
<td>Graduate Performance Colloquium</td>
</tr>
</tbody>
</table>

**Complementary Seminars (9 credits)**

3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPP 690</td>
<td>(3)</td>
<td>Performance Practice Seminar 1</td>
</tr>
<tr>
<td>MUPP 691</td>
<td>(3)</td>
<td>Performance Practice Seminar 2</td>
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<tr>
<td>MUPP 692</td>
<td>(3)</td>
<td>Performance Practice Seminar 3</td>
</tr>
<tr>
<td>MUPP 693</td>
<td>(3)</td>
<td>Performance Practice Seminar 4</td>
</tr>
<tr>
<td>MUPP 694</td>
<td>(3)</td>
<td>Performance Practice Seminar 5</td>
</tr>
<tr>
<td>MUPP 695</td>
<td>(3)</td>
<td>Performance Practice Seminar 6</td>
</tr>
</tbody>
</table>

One approved graduate 3-credit seminar with the prefix MUCA, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MUHL 591D1</td>
<td>(1.5)</td>
<td>Paleography</td>
</tr>
<tr>
<td>MUHL 591D2</td>
<td>(1.5)</td>
<td>Paleography</td>
</tr>
<tr>
<td>MUTH 602</td>
<td>(3)</td>
<td>Keyboard Modal Counterpoint</td>
</tr>
<tr>
<td>MUTH 604</td>
<td>(3)</td>
<td>Keyboard Tonal Counterpoint</td>
</tr>
</tbody>
</table>

or one graduate 3-credit seminar approved by the Department.

**Complementary Performance (9 credits)**

9 credits from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUEN 560*</td>
<td>(1)</td>
<td>Chamber Music Ensemble</td>
</tr>
<tr>
<td>MUEN 561*</td>
<td>(1)</td>
<td>2nd Chamber Music Ensemble</td>
</tr>
<tr>
<td>MUEN 573*</td>
<td>(2)</td>
<td>Baroque Orchestra</td>
</tr>
<tr>
<td>MUEN 580*</td>
<td>(1)</td>
<td>Early Music Ensemble</td>
</tr>
<tr>
<td>MUEN 593*</td>
<td>(2)</td>
<td>Choral Ensembles</td>
</tr>
<tr>
<td>MUEN 594*</td>
<td>(2)</td>
<td>Contemporary Music Ensemble</td>
</tr>
<tr>
<td>MUEN 597*</td>
<td>(2)</td>
<td>Orchestral Ensembles</td>
</tr>
<tr>
<td>MUHL 591D1**</td>
<td>(1.5)</td>
<td>Paleography</td>
</tr>
<tr>
<td>MUHL 591D2**</td>
<td>(1.5)</td>
<td>Paleography</td>
</tr>
<tr>
<td>MUPG 672D1</td>
<td>(1.5)</td>
<td>Liturgical Improvisation</td>
</tr>
<tr>
<td>MUPG 672D2</td>
<td>(1.5)</td>
<td>Liturgical Improvisation</td>
</tr>
<tr>
<td>MUPG 673</td>
<td>(3)</td>
<td>20th-Century Organ Improvisation</td>
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<tr>
<td>MUPG 674</td>
<td>(3)</td>
<td>Project in Choral Conducting</td>
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<tr>
<td>MUPG 679</td>
<td>(3)</td>
<td>Liturgical Improvisation 2</td>
</tr>
<tr>
<td>MUTH 602**</td>
<td>(3)</td>
<td>Keyboard Modal Counterpoint</td>
</tr>
<tr>
<td>MUTH 604**</td>
<td>(3)</td>
<td>Keyboard Tonal Counterpoint</td>
</tr>
</tbody>
</table>
* may be taken more than once.
** if not taken as an additional seminar.

26.11.1.24 Master of Music (M.Mus.); Performance: Conducting (Thesis) (45 credits)

Orchestral, Wind Band, and Choral

**Thesis Performance (27 credits)**

18 credits:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUIN 620</td>
<td>3</td>
<td>Performance Tutorial 1</td>
</tr>
<tr>
<td>MUIN 621</td>
<td>3</td>
<td>Performance Tutorial 2</td>
</tr>
<tr>
<td>MUIN 622</td>
<td>3</td>
<td>Performance Tutorial 3</td>
</tr>
<tr>
<td>MUPG 600</td>
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<td>Recital Project 1</td>
</tr>
</tbody>
</table>

9 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPG 601</td>
<td>9</td>
<td>Recital Project 2</td>
</tr>
<tr>
<td>MUPG 602*</td>
<td>6</td>
<td>Recital Project 3</td>
</tr>
<tr>
<td>MUPG 603**</td>
<td>3</td>
<td>Recital Project 4</td>
</tr>
<tr>
<td>MUPG 605</td>
<td>3</td>
<td>Recording Project</td>
</tr>
<tr>
<td>MUPG 606</td>
<td>3</td>
<td>Interdisciplinary Project 1</td>
</tr>
</tbody>
</table>

* Solo Recital.
** Concerto only.

**Required Course**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 605</td>
<td>0</td>
<td>Graduate Performance Colloquium</td>
</tr>
</tbody>
</table>

**Complementary Seminars (9 credits)**

One of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPP 690</td>
<td>3</td>
<td>Performance Practice Seminar 1</td>
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<tr>
<td>MUPP 691</td>
<td>3</td>
<td>Performance Practice Seminar 2</td>
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<tr>
<td>MUPP 692</td>
<td>3</td>
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<tr>
<td>MUPP 693</td>
<td>3</td>
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<tr>
<td>MUPP 694</td>
<td>3</td>
<td>Performance Practice Seminar 5</td>
</tr>
<tr>
<td>MUPP 695</td>
<td>3</td>
<td>Performance Practice Seminar 6</td>
</tr>
</tbody>
</table>

One approved graduate 3-credit seminar with the prefix MUO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

One additional graduate 3-credit seminar approved by the Department.

**Complementary Performance (9 credits)**

Three terms of:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUEN 564</td>
<td>1</td>
<td>Conducting Workshop</td>
</tr>
</tbody>
</table>

2 credits:
26.11.1.25 Graduate Diploma in Professional Performance (30 credits)
Two full-time terms of residence are required.

**Required Courses (15 credits)**
- MUPG 634 (6) Performance Tutorial 6
- MUPG 635 (6) Performance Tutorial 7
- MUPG 640 (3) Media Project

**Complementary Courses (12 credits)**
12 credits from the following:
- MUPG 641 (3) Performance Project 1
- MUPG 642 (6) Performance Project 2
- MUPG 643 (6) Performance Project 3
- MUPG 644 (9) Performance Project 4
- MUPG 645 (12) Performance Project 5

**Elective Course (3 credits)**
3 credits of graduate seminar, ensemble, or special project at the 500 or 600 level approved by the Department.

26.11.1.26 Doctor of Music (D.Mus.); Music — Composition
A minimum of two years' residence is required beyond the M.Mus. in Composition, or its equivalent. Details concerning the comprehensive examinations, composition performance, thesis, and academic regulations are available from the Graduate Coordinator, Schulich School of Music or from the Music Graduate Handbook (http://www.mcgill.ca/music/current-students/graduate/graduate-music-handbook).

**Thesis**
The thesis is a musical composition of major dimensions together with a written analysis of the work. The thesis must be defended in an oral examination.

**Required Courses (12 credits)**
- MUGS 701 (0) Comprehensive Examination Part 1
- MUGS 702 (0) Comprehensive Examination Part 2

12 credits (two years) of:
- MU CO 722D1 (3) Doctoral Composition Tutorial
- MU CO 722D2 (3) Doctoral Composition Tutorial

**Elective Courses (12 credits)**
Four approved 3-credit graduate electives or the equivalent.
Composition Performance

The candidate must present a concert of his/her compositions. With the permission of the Composition Area Committee, the compositions may be presented as parts of two or three concerts, or as a list of national and international performances since the student began his/her residency.

26.11.1.27 Doctor of Music (D.Mus.); Music — Performance Studies

A minimum of two years’ residence is required beyond the M.Mus. in Performance, or its equivalent.

Details concerning the comprehensive examinations, composition performance, thesis and academic regulations are available from the Graduate Studies Coordinator, Schulich School of Music or from the Music Graduate Handbook (http://www.mcgill.ca/music/current-students/graduate/graduate-music-handbook).

Thesis

Recitals (36 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUPG 760</td>
<td>12</td>
<td>Doctoral Recital 1</td>
</tr>
<tr>
<td>MUPG 767</td>
<td>12</td>
<td>Doctoral Recital 2</td>
</tr>
<tr>
<td>MUPG 770</td>
<td>12</td>
<td>Doctoral Lecture - Recital Project</td>
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</table>

Required Courses (32 credits)

24-32 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 701</td>
<td>0</td>
<td>Comprehensive Examination Part 1</td>
</tr>
<tr>
<td>MUGS 702</td>
<td>0</td>
<td>Comprehensive Examination Part 2</td>
</tr>
</tbody>
</table>

Six terms of one hour per week of Performance Tutorials:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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<td>MUPG 721</td>
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<td>MUPG 722</td>
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<td>MUPG 723</td>
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<td>MUPG 724</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUPG 725</td>
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<td></td>
</tr>
</tbody>
</table>

OR

four terms of 1.5 hours per week of Performance Tutorials:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>MUPG 730</td>
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<td>MUPG 731</td>
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<td>MUPG 732</td>
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<tr>
<td>MUPG 733</td>
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</table>

Voice candidates only: four terms of Vocal Repertoire Coaching:

<table>
<thead>
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<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>MUIN 700</td>
<td>2</td>
<td>Doctoral Repertoire Coaching 1</td>
</tr>
<tr>
<td>MUIN 701</td>
<td>2</td>
<td>Doctoral Repertoire Coaching 2</td>
</tr>
<tr>
<td>MUIN 702</td>
<td>2</td>
<td>Doctoral Repertoire Coaching 3</td>
</tr>
<tr>
<td>MUIN 703</td>
<td>2</td>
<td>Doctoral Repertoire Coaching 4</td>
</tr>
</tbody>
</table>

Complementary Courses (12 credits)
Four graduate-level courses (3 credits each), to be chosen from among the Faculty's course offerings in consultation with the advisory committee. Three of the four courses should be in the Department of Music Research; one of the four may be replaced with a supervised special project approved by the advisory committee and the performance graduate sub-committee.

26.11.1.28 Doctor of Philosophy (Ph.D.); Music — (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory)

The Ph.D. requires a minimum of three years of full-time resident study (six full-time terms) beyond a bachelor's degree. A candidate who holds a master's degree in the area of specialization may, on the recommendation of the Department, be permitted to count the work done for the master's degree as the first year of resident study.

Details concerning the comprehensive examinations, thesis, and academic regulations are available from the Graduate Studies Coordinator, Schulich School of Music or from the Music Graduate Handbook (http://www.mcgill.ca/music/current-students/graduate/graduate-music-handbook).

Thesis

All courses and language requirements and the comprehensive examinations must be successfully completed before the thesis is submitted.

Language Reading Requirements

No foreign language reading examinations required in Sound Recording and Music Technology.

One foreign language reading examination required for students in Composition and Music Education.

Two foreign languages required for students in Musicology and Music Theory. Normally, one of these will be German and the other related to the candidate's field of research.

An additional language may be required if considered necessary for the candidate's research.

Students whose mother tongue is French are exempt from the French Language Reading examination.

Note: The language reading examinations must be passed before a candidate will be permitted to sit the comprehensive examinations.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 701</td>
<td>(0)</td>
<td>Comprehensive Examination Part 1</td>
</tr>
<tr>
<td>MUGS 702</td>
<td>(0)</td>
<td>Comprehensive Examination Part 2</td>
</tr>
</tbody>
</table>

Complementary Courses (6-36 credits)

Students entering in Ph.D. 1

A minimum of five 3-credit graduate courses approved by the Department (the Doctoral Tutorial will be considered a course for purposes of this requirement). Additional graduate courses (normally two to seven 3-credit graduate courses), will be assigned by the Director of Graduate Studies in consultation with the area chair at the time of the admissions decision.

Students entering in Ph.D. 2

Applicants who have completed a master's degree before entering the Ph.D. program will be admitted into Ph.D. 2, and assigned graduate courses (normally two to seven 3-credit graduate courses) beyond the master's requirements. The number of courses will be assigned by the Director of Graduate Studies in consultation with the area chair at the time of the admissions decision.

Applicants in Composition will be required to complete at least four approved 3-credit graduate courses and 12 credits (two years) of:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUCO 722D1</td>
<td>(3)</td>
<td>Doctoral Composition Tutorial</td>
</tr>
<tr>
<td>MUCO 722D2</td>
<td>(3)</td>
<td>Doctoral Composition Tutorial</td>
</tr>
</tbody>
</table>

Doctoral Colloquium

Required attendance for four terms of the Doctoral Colloquium:

Note: Regular attendance and at least one presentation on their thesis research in the colloquium during the course of their doctoral studies is required.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 705</td>
<td>(0)</td>
<td>Colloquium</td>
</tr>
</tbody>
</table>

Composition Performance

Composition applicants only:
The candidate must present a concert of his/her compositions. With the permission of the Composition Area Committee, the compositions may be presented as parts of two or three concerts, or as a list of national and international performances since the student began his/her residency.

26.11.1.29 Doctor of Philosophy (Ph.D.); Music — Gender and Women's Studies

Thesis

All courses and language requirements and the comprehensive examinations must be successfully completed before the thesis is submitted.

Language Reading Requirements

In two foreign languages (one foreign language for students in composition, music education; none required for students in sound recording and music technology).

Normally, one of these will be German and the other related to the candidate's field of research.

A third language may be required if considered necessary for the candidate's research.

Students whose mother tongue is French are exempt from the French Language Reading examination.

Note: The language reading examinations must be passed before a candidate will be permitted to sit the comprehensive examinations.

Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WMST 601</td>
<td>3</td>
<td>Feminist Theories and Methods</td>
</tr>
<tr>
<td>WMST 602</td>
<td>3</td>
<td>Feminist Research Symposium</td>
</tr>
</tbody>
</table>

Comprehensive examination

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 701</td>
<td>0</td>
<td>Comprehensive Examination Part 1</td>
</tr>
<tr>
<td>MUGS 702</td>
<td>0</td>
<td>Comprehensive Examination Part 2</td>
</tr>
</tbody>
</table>

Doctoral Colloquium

Note: Required attendance and at least one presentation of their thesis research in the Colloquium during the course of their doctoral studies is required.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUGS 705</td>
<td>0</td>
<td>Colloquium</td>
</tr>
</tbody>
</table>

Complementary Courses (12-27 credits)

27 credits of graduate courses at the 500, 600, or 700 level approved by the Department (3 of the 27 credits must be on gender/women's studies, taken in the Department or outside and approved by the Department).

Applicants who have completed an M.A. degree in music (or equivalent) before entering the Ph.D. program will be required to complete at least 12 credits of courses at the 500, 600, or 700 level approved by the Department beyond the M.A. requirements (3 of the 12 credits must be on gender/women's studies, taken in the Department or outside and approved by the Department).

Faculty of Science

27.1 Dean's Welcome

To Graduate Students and Postdoctoral Fellows:

I am extremely pleased to welcome you to McGill University. With over 250 doctoral and master's degree programs, McGill is committed to providing world-class graduate education and postdoctoral training in a full range of academic disciplines and professions. Graduate and Postdoctoral Studies (GPS) provides strategic leadership and works in collaboration with the Faculties and other administrative and academic units to deliver the very highest level of teaching and research across the University. GPS is responsible for the admission and registration of graduate students, disbursing graduate fellowships, supporting postdoctoral fellows, and facilitating the graduation process, including the examination of theses.

As a student-centred research institution, McGill places singular importance upon the quality of graduate education and postdoctoral training. As Associate Provost (Graduate Education), as well as Dean of Graduate and Postdoctoral Studies, I work closely with the central administration, Faculties, graduate...
students, professors, researchers, postdoctoral fellows, and staff to enhance the graduate and postdoctoral experience and provide a supportive, stimulating, and enriching academic environment.

McGill is ranked as one of Canada’s most intensive research universities and among the world’s top 25. We recognize that these successes come not only from our outstanding faculty members, but also from the quality of our graduate students and postdoctoral fellows - a community into which we are very happy to welcome you.

I invite you to join us in advancing this heritage of excellence at McGill.

Martin Kreiswirth, Ph.D.
Associate Provost (Graduate Education)
Dean, Graduate and Postdoctoral Studies

27.2 Graduate and Postdoctoral Studies

27.2.1 Administrative Officers

<table>
<thead>
<tr>
<th>Administrative Officers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martin Kreiswirth; B.A.(Hamilton), M.A.(Chic.), Ph.D.(Tor.)</td>
</tr>
<tr>
<td>Heather Durham; M.Sc.(W. Ont.), Ph.D.(Alta.)</td>
</tr>
<tr>
<td>Meyer Nahon; B.Sc.(Qu.), M.Sc.(Tor.), Ph.D.(McG.), Eng.</td>
</tr>
<tr>
<td>Lisa deMena Travis; B.A.(Yale), Ph.D.(MIT)</td>
</tr>
<tr>
<td>Shari Baum; B.A.(C’nell), M.Sc.(Vermont), Ph.D.(Brown)</td>
</tr>
<tr>
<td>Charlotte E. Légaré; B.Sc.(Montr.), M.Sc.(Sher.), M.B.A.(McG.)</td>
</tr>
<tr>
<td>Lissa B. Matyas; B.F.A., M.Sc.(C’dia)</td>
</tr>
</tbody>
</table>

Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)
Associate Dean (Graduate and Postdoctoral Studies) (until Sept. 2011)
Associate Dean (Graduate and Postdoctoral Studies)
Associate Dean (Graduate and Postdoctoral Studies) (as of Sept. 2011)
Associate Dean (Graduate and Postdoctoral Studies)
Director (Graduate and Postdoctoral Affairs)
Director (Recruitment and Retention)

27.2.2 Location

James Administration Building, Room 400
845 Sherbrooke Street West
Montreal, QC H3A 2T5
Telephone: 514-398-3990
Fax: 514-398-1626
Email: servicepoint@mcgill.ca
Website: www.mcgill.ca/gps

Note: For inquiries regarding specific Graduate programs, please contact the appropriate department.

27.2.3 General Statement Concerning Higher Degrees

Graduate and Postdoctoral Studies (GPS) administers all programs leading to graduate diplomas, certificates and higher degrees. It is responsible for the admission of candidates, the supervision of their work and for recommending to Senate those who may receive the degrees, diplomas and certificates.

27.3 Important Dates 2011-2012

For all dates relating to the academic year, consult www.mcgill.ca/importantdates.

27.4 Graduate Studies at a Glance

McGill University offers graduate and postdoctoral programs in the following units (organized by their administering home faculty):
### Agricultural and Environmental Sciences

- section 14.11.1: Agricultural Economics
- section 14.11.2: Animal Science
- section 14.11.3: Bioresource Engineering
- section 14.11.4: Dietetics and Human Nutrition
- section 14.11.5: Food Science and Agricultural Chemistry
- section 14.11.6: Natural Resource Sciences
- section 14.11.7: Parasitology
- section 14.11.8: Plant Science

### Arts

- section 15.11.1: Anthropology
- section 15.11.2: Art History
  - Classics, see section 15.11.12: History and Classical Studies
- section 15.11.4: Communication Studies
- section 15.11.5: East Asian Studies
- section 15.11.6: Economics
- section 15.11.7: English
- section 15.11.8: French Language and Literature
- section 15.11.9: Geography
- section 15.11.10: German Studies
- section 15.11.11: Hispanic Studies
- section 15.11.12: History and Classical Studies
- section 15.11.13: Institute for the Study of International Development
- section 15.11.14: Islamic Studies
- section 15.11.15: Italian Studies
- section 15.11.16: Jewish Studies
- section 15.11.17: Linguistics
- section 15.11.18: Mathematics and Statistics
- section 15.11.19: Philosophy
- section 15.11.20: Political Science
- section 15.11.21: Psychology
- section 15.11.23: Russian and Slavic Studies
- section 15.11.24: Social Studies of Medicine
- section 15.11.25: Social Work
- section 15.11.26: Sociology

### Dentistry

- section 16.11.1: Dentistry

### Desautels Faculty of Management

- section 17.11: Desautels Faculty of Management
Education

section 18.11.1: Educational and Counselling Psychology
section 18.11.2: Information Studies
section 18.11.3: Integrated Studies in Education
section 18.11.4: Kinesiology and Physical Education

Engineering

section 19.11.1: Architecture
section 19.11.2: Chemical Engineering
section 19.11.3: Civil Engineering and Applied Mechanics
section 19.11.4: Electrical and Computer Engineering
section 19.11.5: Mechanical Engineering
section 19.11.6: Mining and Materials Engineering
section 19.11.7: Urban Planning

Law

section 20.11.1: Law

McGill School of Environment

section 21.11.1: Environment

Medicine

section 22.11.1: Anatomy and Cell Biology
section 22.11.2: Biochemistry
section 22.11.3: Bioethics
section 22.11.4: Biomedical Engineering
section 22.11.5: Communication Sciences and Disorders
section 22.11.6: Epidemiology and Biostatistics
Experimental Medicine, see section 22.11.10: Medicine, Experimental
section 22.11.8: Human Genetics
section 22.11.9: Medical Physics
section 22.11.11: Microbiology and Immunology
section 22.11.12: Neuroscience (Integrated Program in)
section 23.11.1: Nursing
section 22.11.13: Occupational Health
section 22.11.14: Otolaryngology – Head and Neck Surgery
section 22.11.15: Pathology
section 22.11.16: Pharmacology and Therapeutics
section 24.11.1: Physical and Occupational Therapy
section 22.11.17: Physiology
section 22.11.18: Psychiatry
section 22.11.19: Surgical Research
Graduate Diplomas and Certificates

Graduate diplomas and graduate certificates are programs of study under the academic supervision of Graduate and Postdoctoral Studies. They have as a prerequisite an undergraduate degree in the same discipline.

McGill University offers other diploma and certificate programs under the supervision of the relevant faculties and their Calendars should be consulted for further details.

Graduate Diplomas are offered in:

| Clinical Research (Experimental Medicine) | Primary Care Nurse Practitioner |
| Epidemiology and Biostatistics | Professional Performance |
| Islamic Studies | Public Accountancy (C.A.) |
| Library and Information Studies | Registered Dietician Credentialing (R.D.) |
| Mining Engineering | School and Applied Child Psychology (post-Ph.D.) |
| Nursing | Surgical Health Care Research |

These diploma programs consist of at least two terms of full-time study or the equivalent.

Graduate Certificates are offered in:

| Assessing Driving Capabilities | Educational Leadership 2 |
| Air and Space Law | Library and Information Studies |
| Bioresource Engineering (IWRM) | Post-M.B.A. |
| Biotechnology | Teaching English as a Second Language |
| Comparative Law | Theory in Primary Care |
| Educational Leadership 1 | Theory in Neonatology |

All graduate regulations apply to graduate diploma and certificate candidates.

Master's Degrees

Two categories of programs lead to higher degrees at McGill University, master's programs, and doctoral programs.
The following master’s degrees are offered (see below for more information about sub-specializations):  

<table>
<thead>
<tr>
<th>Program</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Architecture (M.Arch)</td>
<td>M.Arch. (professional degree) – McGill B.Sc.(Arch.) degree, or equivalent; M.Arch. (post-professional degree) – an M.Arch. (professional degree) or equivalent professional degree.</td>
</tr>
<tr>
<td>Master of Arts (M.A.)</td>
<td>Bachelor of Arts in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Business Administration (M.B.A.)</td>
<td>An undergraduate degree from an approved university. See Management.</td>
</tr>
<tr>
<td>Joint program: Master of Business Administration (M.B.A.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Concurrent Master of Business Administration with Doctor of Medicine / Master of Surgery (M.B.A. with M.D.,C.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Manufacturing Management (M.M.M.)</td>
<td>A bachelor's degree with specialization related to the subject chosen for graduate work, plus a Permanent Quebec Teaching Diploma or its equivalent for some of the above degrees. See appropriate department.</td>
</tr>
<tr>
<td>Master of Education (M.Ed.)</td>
<td>Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.</td>
</tr>
<tr>
<td>Master of Engineering (M.Eng.)</td>
<td>An acceptable degree in Law or equivalent qualifications. See Law.</td>
</tr>
<tr>
<td>Master of Library and Information Studies (M.L.I.S.)</td>
<td>At least a bachelor's degree from a recognized university. See Library and Information Studies.</td>
</tr>
<tr>
<td>Master of Management (M.M.)</td>
<td>See Management.</td>
</tr>
<tr>
<td>Master of Music (M.Mus.)</td>
<td>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. See Music.</td>
</tr>
<tr>
<td>Master of Sacred Theology (S.T.M.)</td>
<td>B.A. with specialization in religious studies or theology. See Religious Studies.</td>
</tr>
<tr>
<td>Master of Science (M.Sc.)</td>
<td>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (M.Sc.A.)</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (OT) (M.Sc.A. (OT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Master of Science, Applied (PT) (M.Sc.A. (PT))</td>
<td>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</td>
</tr>
<tr>
<td>Joint program: Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) / Bachelor of Laws (LL.B.)</td>
<td>See School of Social Work.</td>
</tr>
<tr>
<td>Master of Urban Planning (M.U.P.)</td>
<td>Bachelor's degree in any one of the following: Anthropology, Architecture, Economics, Civil Engineering, Geography, Law, Management, Political Science, Social Work, Sociology or Urban Planning, with adequate knowledge of quantitative techniques. See Urban Planning.</td>
</tr>
</tbody>
</table>

Master of Architecture Degrees
M.Arch. programs offered:

- M.Arch. (professional degree) (Non-Thesis) in Design Studio and Design Studio – Directed Research
- M.Arch. (post-professional degree) (Non-Thesis); specializations in Architectural History and Theory, Cultural Mediations and Technology, Urban Design and Housing

Master of Arts Degrees
Programs leading to the degree of Master of Arts are offered in the following areas:

- Anthropology (Thesis and Non-Thesis); options in Development Studies, Environment, Gender and Women’s Studies, Medical Anthropology
- Art History (Non-Thesis); option in Gender and Women's Studies (Non-Thesis)
- Classics (Thesis and Non-Thesis)
- Communication Studies (Thesis and Non-Thesis); option in Gender and Women's Studies
- Economics (Thesis and Non-Thesis); options in Development Studies (Non-Thesis) and Social Statistics (Non-Thesis)
- Education (Thesis and Non-Thesis)
- English (Thesis and Non-Thesis)
French (Thesis and Non-Thesis); option in Gender and Women's Studies
Geography; options in Development Studies, Environment, Gender and Women's Studies, Neotropical Environment, Social Statistics
German Studies (Thesis and Non-Thesis)
Hispanic Studies (Thesis and Non-Thesis)
Islamic Studies; option in Gender and Women's Studies
Italian Studies (Thesis and Non-Thesis)
Jewish Studies (Thesis and Non-Thesis)
Kinesiology and Physical Education (Thesis and Non-Thesis)
Linguistics (Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis)
Music (Thesis and Non-Thesis)
Philosophy; option in Bioethics
Political Science (Thesis and Non-Thesis); options in Development Studies (Thesis and Non-Thesis), European Studies (Thesis and Non-Thesis), Gender and Women's Studies (Non-Thesis), Social Statistics (Non-Thesis)
Psychology
Religious Studies (Thesis and Non-Thesis); options in Bioethics and Gender and Women's Studies
Russian

Master of Business Administration Degrees

A program leading to the degree of Master of Business Administration (M.B.A.) is offered in the following concentrations:

- Finance
- Global Strategy and Leadership
- Marketing
- Technology and Innovation Management

An E.M.B.A. is also offered (joint with HEC).

Special programs:

- M.B.A. with M.D.,C.M.
- M.B.A. with B.C.L. and LL.B.
- Master of Manufacturing Management (see Management and Mechanical Engineering)

Master's Degrees in Education


The M.A. may be taken in the following areas:

- Counselling Psychology (Thesis and Non-Thesis): Counselling Psychology – Professional/Internship (Non-Thesis), Counselling Psychology – Project (Non-Thesis)
- Education and Society (Thesis and Non-Thesis); options in Gender and Women's Studies (Thesis and Non-Thesis) and Jewish Studies (Thesis and Non-Thesis)
- Educational Psychology (Thesis and Non-Thesis)
- Kinesiology and Physical Education (Thesis and Non-Thesis)
- Second Language Education (Thesis and Non-Thesis); option in Gender and Women's Studies (Thesis and Non-Thesis)
- Teaching and Learning (MATL) (Non-Thesis)

The M.Ed. may be taken in the following area:

- Educational Psychology

The M.Sc. may be taken in the following area:

- Kinesiology and Physical Education (Thesis and Non-Thesis)

Master's Degree in Engineering

Programs leading to the degree of Master of Engineering are offered in the following areas:

- Aerospace Engineering (Project)
Biomedical Engineering; option in Bioinformatics
Chemical Engineering (Thesis and Project); option in Environmental Engineering (Project)
Civil Engineering and Applied Mechanics (Thesis and Project); option in Environmental Engineering (Project)
Electrical Engineering (Thesis and Project); option in Computational Science and Engineering
Mechanical Engineering (Thesis and Project); option in Computational Science and Engineering
Mining and Materials Engineering (Thesis and Non-Thesis); options in Environmental Engineering (Non-Thesis), Mining (Non-Thesis), and Metals and Materials (Non-Thesis)

Other degrees:

Master of Management (M.M.) is offered in Manufacturing Management (see Department of Mechanical Engineering and Faculty of Management). Master of Science (M.Sc.) is offered in Chemical Engineering, Civil Engineering, Mechanical Engineering, and Mining and Materials.

Master's Degrees in Law
The degree of Master of Laws is offered in:

Law (Thesis and Non-Thesis); options in Bioethics, Comparative Law (Thesis and Non-Thesis), Environment (Thesis and Non-Thesis), and European Studies
Air and Space Law (Thesis and Non-Thesis)

Master of Library and Information Studies Degree
The Graduate School of Library and Information Studies offers a postgraduate professional program in librarianship. Two years of full-time study or the equivalent are required.

Master's Degrees in Music
Programs leading to the degrees of Master of Arts and Master of Music are offered in the Faculty of Music.

The M.A. may be taken in:

Music Technology
Musicology (Thesis and Non-Thesis); option in Gender and Women's Studies
Music Education (Thesis and Non-Thesis)
Theory (Thesis and Non-Thesis); option in Gender and Women's Studies

The M.Mus. may be taken in:

Composition
Performance (various options) (Non-Thesis)
Sound Recording (Non-Thesis)

Applicants to the Performance program are required to pass auditions in their speciality.

Master's Degrees in Nursing
Two types of master's degrees are offered: Master of Science (Applied) and Master of Science (with thesis). These two-year programs are designed to prepare clinicians and researchers for the expanding function of nursing within the health care delivery system.

Master's Degrees in Religious Studies
A program leading to the degree of Sanctae Theologiae Magister (S.T.M.) is given in the Faculty of Religious Studies. This degree is primarily for those who intend to enter the ministry of the Christian Church or another religious institution, or to proceed to teaching in schools. A Master of Arts program (thesis and non-thesis) is also available.

Master of Science Degrees
Programs leading to the degree of Master of Science are provided in the following areas:

Agricultural Economics
Animal Science
Atmospheric and Oceanic Science; options in Computational Science and Engineering, and Environment
Biochemistry; options in Bioinformatics, and Chemical Biology
Biology; options in Bioinformatics, Environment, and Neotropical Environment
Bioresource Engineering; options in Environment, Integrated Water Resource Management (Non-Thesis), and Neotropical Environment
Cell Biology and Anatomy
Chemical Engineering
Chemistry; option in Chemical Biology
Civil Engineering and Applied Mechanics
Communication Sciences and Disorders
Computer Science (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Dental Science (Thesis and Non-Thesis); option in Oral and Maxillofacial Surgery
Earth and Planetary Sciences; option in Environment
Entomology; options in Environment, and Neotropical Environment
Epidemiology and Biostatistics (Thesis and Non-Thesis); option in Environment (Non-Thesis)
Food Science and Agricultural Chemistry (Thesis and Non-Thesis)
Geography; options in Environment, and Neotropical Environment
Genetic Counselling (Non-Thesis)
Human Genetics; option in Bioinformatics
Human Nutrition
Kinesiology and Physical Education (Thesis and Non-Thesis)
Mathematics and Statistics (Thesis and Non-Thesis); options in Bioinformatics, and Computational Science and Engineering
Mechanical Engineering
Medical Radiation Physics
Medicine, Experimental; options in Bioethics, Environment, and Family Medicine
Microbiology and Immunology
Microbiology (Macdonald Campus); option in Environment
Mining and Materials Engineering
Neuroscience
Nursing
Otolaryngology
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Psychiatry
Psychology
Rehabilitation Sciences (Thesis and Non-Thesis)
Renewable Resources; options in Environment, Environmental Assessment (Non-Thesis), and Neotropical Environment
Surgery, Experimental

**Master of Science, Applied, Degrees**

This degree was designed to provide postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in Master of Science programs, but with no lower standards either for admission or completion of requirements. Two years of full-time study or equivalent are normally required with an emphasis on coursework.

Programs are available in:

- Animal Science
- Bioresource Engineering; options in Environment, Environmental Engineering, and Neotropical Environment
- Biotechnology
- Chemistry
- Communication Sciences and Disorders
- Human Nutrition
- Nursing
- Occupational Health
- Occupational Therapy
- Plant Science
- Physical Therapy

Other degrees:

- Master of Science, Applied (OT)
- Master of Science, Applied (PT)

**Master of Social Work Degrees**

The M.S.W. degree (Thesis and Non-Thesis options) represents a second level of professional study in which students build competence in a chosen field of practice.

Special program:

- M.S.W. with B.C.L. and LL.B.
Master of Urban Planning Degree

The program requires a minimum of two years residence and a three-month internship with a member of a recognized planning association.

Options: Transportation Planning and Urban Design.

27.4.3 Doctoral Degrees

Two categories of programs lead to higher degrees at McGill University: master's programs and doctoral programs.

<table>
<thead>
<tr>
<th>The following doctoral degrees are offered (see below for more information about sub-specializations):</th>
<th>Prerequisites:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctor of Music (D.Mus.)</td>
<td>M.A. in Composition (D.Mus. in Composition) or an master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See Music.</td>
</tr>
<tr>
<td>Doctor of Philosophy (Ph.D.)</td>
<td>An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend to Graduate and Postdoctoral Studies that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.</td>
</tr>
</tbody>
</table>

Doctor of Civil Law Degrees

Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.

Doctor of Music Degrees

The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.

The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).

Doctor of Philosophy Degrees

Programs leading to the degree of Doctor of Philosophy are offered in the following areas:

- Anatomy and Cell Biology
- Animal Science; option in Bioinformatics
- Anthropology; option in Neotropical Environment
- Architecture
- Art History; option in Gender and Women's Studies
- Atmospheric and Oceanic Sciences
- Biochemistry; options in Bioinformatics, and Chemical Biology
- Biology; options in Bioinformatics, Developmental Biology, Environment, and Neotropical Environment
- Biomedical Engineering; option in Bioinformatics
- Bioresource Engineering; options in Environment, and Neotropical Environment
- Chemical Engineering
- Chemistry; option in Chemical Biology
- Civil Engineering and Applied Mechanics
- Classics
- Communication Studies; option in Gender and Women's Studies
- Communication Sciences and Disorders; option in Language Acquisition
- Computer Science; option in Bioinformatics
- Counselling Psychology
- Earth and Planetary Sciences; option in Environment
- Economics
- Educational Psychology
- Educational Studies; option in Gender and Women's Studies
- Electrical Engineering
- English
- Entomology; options in Environment, and Neotropical Environment
- Epidemiology and Biostatistics
- Food Science and Agricultural Chemistry
- French; option in Gender and Women's Studies
Geography; options in Environment, Gender and Women's Studies, and Neotropical Environment
German
Hispanic Studies
History
Human Genetics; option in Bioinformatics
Human Nutrition
Information Studies
Islamic Studies; option in Gender and Women's Studies
Linguistics; option in Language Acquisition
Management
Mathematics and Statistics; option in Bioinformatics
Mechanical Engineering
Medicine, Experimental; option in Environment
Microbiology and Immunology
Microbiology (Macdonald Campus); options in Bioinformatics, and Environment
Mining and Materials Engineering
Music; option in Gender and Women's Studies
Neuroscience
Nursing; option in Psychosocial Oncology
Occupational Health Sciences
Parasitology; options in Bioinformatics, and Environment
Pathology
Pharmacology and Therapeutics; option in Chemical Biology
Philosophy; options in Environment, and Gender and Women's Studies
Physics
Physiology; option in Bioinformatics
Plant Science; options in Bioinformatics, Environment, and Neotropical Environment
Political Science
Psychology; options in Language Acquisition, and Psychosocial Oncology
Rehabilitation Science
Religious Studies; option in Gender and Women's Studies
Renewable Resources; options in Environment, and Neotropical Environment
Russian
School/Applied Child Psychology
Social Work
Sociology; options in Environment, and Gender and Women's Studies
Surgery, Experimental

The following joint Ph.D. programs are offered:

- Nursing (McGill/Université de Montréal)
- Management (McGill/Concordia/H.E.C./UQAM)
- Social Work (McGill/Université de Montréal)

### 27.4.4 Postdoctoral Research

See section 14.8: Postdoctoral Research for information about postdoctoral research at McGill University.

### 27.5 Program Requirements

#### 27.5.1 Master’s Degrees

**Residence Requirements – Master’s Degrees**

Refers to the number of terms (or years) students must be registered on a full-time basis to complete their program. Students are NOT permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

- The following master's programs have a minimum residence requirement of three full-time terms: M.Arch, M.A., M.Eng., LL.M., M.Mus. (except M.Mus. in Sound Recording), M.Sc., M.S.W., M.Sc.A. (except M.Sc.A. in Communication Sciences and Disorders).
The following master's programs have a minimum residence requirement of four full-time terms: M.I.L.S.; M.Mus. in Sound Recording; M.U.P.; M.A. (60 credits – Counselling Psychology – thesis; 78 credits – Educational Psychology); M.A. Teaching and Learning – Non-Thesis; M.Sc.A. in Communication Sciences and Disorders; S.T.M., Religious Studies.

The residence requirement for the master's program in Education (M.Ed.); Library and Information Studies (M.I.L.S.); Management (M.B.A.); Religious Studies (S.T.M.); M.A. Counselling Psychology – Non-Thesis; M.A. Teaching and Learning – Non-Thesis; M.Sc. in Public Health – Non-Thesis; M.Sc.A. Nursing; M.Sc.A. Occupational Therapy; M.Sc.A. Physical Therapy; and students in part-time programs is determined on a per course basis. Residence requirements are fulfilled when students complete all course requirements in their respective programs.

For master's programs structured as Course, Project or Non-Thesis options where the program is pursued on a part-time basis, residence requirements are normally fulfilled when students complete all course requirements in their respective programs (minimum 45 credits or a minimum of three full-time terms) and pay the fees accordingly.

These designated periods of residence represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. Students must register for such additional terms as are needed to complete the program.

Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Calendar available at www.mcgill.ca/study. The department concerned will examine the student's previous training and then decide which of the available courses in the area of specialization or related fields are required to bring the candidate to the proper level for the master's degree. Due account will be taken of relevant courses passed at any recognized university.

As a rule, no more than one-third of the McGill program formal coursework (not thesis, project, stage, or internship) can be credited with courses from another university.

Non-thesis degrees normally specify the course program which the candidate must follow. The candidate is required to pass, with a mark of B- or better, all those courses which have been designated by the department as forming a part of the program, including additional requirements.

Students taking courses at another university must obtain a minimum grade of B- (65%) if the course is to be credited toward their McGill degree. In the cases where only a letter grade is used, a B- is the minimum passing grade and no equivalent percentage will be considered. In the cases where only a percentage grade is used, 65% is the minimum passing grade.

If courses were not used for a degree, they could be credited toward a McGill degree keeping in mind that a maximum of one-third of the course work (not thesis, project, stage, internship, and practicum) can be credited. If an exemption is granted, it must be replaced by another graduate course at McGill toward the degree. No double counting is ever allowed. This regulation also applies to doctoral programs.

Research and Thesis – Master’s Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and names of examiners must be forwarded on a Nomination of Examiners form, in accordance with the dates on www.mcgill.ca/importantdates, through the Chair of the department concerned at the same time as the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, or a great deal of original scholarship, must show familiarity with previous work in the field and must demonstrate the ability to carry out research and to organize results, all of which must be presented in good literate style. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Language Requirements – Master's Degrees

Most master's degree programs do not include language requirements, but candidates who intend to proceed to a doctoral degree should take note of any language requirements and are strongly advised to take the examinations in at least one language while working for the master's degree.

27.5.2 Doctoral Degrees

Residence Requirements – Doctoral

Refers to the numbers of terms (or years) students must be registered on a full-time basis to complete their program. Students are not permitted to graduate until they have fulfilled the residence requirement (or paid the corresponding fees) in their program.

Candidates entering Ph.D. 1 must follow a program of at least three years residency at the University; this is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time, but students are expected to complete within the maximum specified period. Only exceptional candidates holding a bachelor’s degree will be considered for direct admission to Ph.D. 1 level.

It is required that candidates spend the greater part of each summer working on their theses, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time (see “Vacation Policy for Graduate Students and Postdocs”).

A student who has obtained a master's degree at McGill University or at an approved institution, in a relevant subject and is proceeding to a Ph.D. degree will, on the recommendation of the department, be admitted to Ph.D. 2; in this case, the residency requirement for the program is two years.

In the doctoral program, students must be registered on a full-time basis for one more year after completion of the residency (i.e., Ph.D. 4 year) before continuing as additional session students until completion of the program.

Note: The master’s degree must have been awarded before initial registration in the doctoral program; otherwise, the admission level will be at Ph.D. 1 and residency will be extended to three years. Once the level of admission is approved by Graduate and Postdoctoral Studies, it will not be changed after obtaining the master’s degree if the date falls after registration in the program. If a previous awarded degree is a condition of admission, it must be fulfilled before registration in another program.
As a rule, no more than one-third of the McGill program formal coursework can be credited with courses from another university.

**Comprehensive Examinations – Doctoral**

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by departmental regulations approved by the Dean of Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs. For more information, see “Ph.D. Comprehensives Policy”.

**Language Requirements – Doctoral**

Most graduate departments in the Faculties of Agricultural and Environmental Sciences, Education, Engineering, Management, Medicine, and Science do not require a language examination. Students should inquire in their departments if there are any such requirements or whether any other requirements have been substituted for those relating to languages.

Graduate departments in the Faculties of Arts, Music and Religious Studies usually require proficiency in one or two languages other than English. In all cases students should consult departmental regulations concerning language requirements.

Language requirements for the Ph.D. degree are met through demonstrated reading knowledge. The usual languages are French, German, or Russian, but in particular instances another language may be necessary.

All language requirements must be fulfilled and the marks reported to Graduate and Postdoctoral Studies before submission of the thesis to GPS (Thesis Section).

Students must contact their departments to make arrangements to take the Language Reading Proficiency Examinations. Students may, however, demonstrate competence by a pass standing in two undergraduate language courses taken at McGill (see departmental regulations).

Candidates are advised to discharge their language requirements as early in their program as possible.

Students expecting to enrol in Professional Corporations in the province of Quebec are advised to become fluent in both spoken and written French.

Courses in French language are available at the English and French Language Centre. The teaching is intensive and class sizes are kept small. While undergraduate students are given preference, graduate students who are certain they can devote sufficient time to the work may enrol.

**Thesis – Doctoral**

The thesis for the Ph.D. degree must display original scholarship expressed in good literate style and must be a distinct contribution to knowledge. Formal notice of a thesis title and names of examiners must be submitted to the Thesis Section of GPS on the Nomination of Examiners form in accordance with the dates on www.mcgill.ca/importantdates, at the same time as the thesis is submitted. The list of examiners must be approved by the Department Chair, the supervisor and the student. The Thesis Section of GPS should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at www.mcgill.ca/gps/students/thesis/guidelines.

Seven copies of the thesis must be provided by the candidate. Of these, two copies will be retained by the University and five copies returned to the candidate. Some departments may require one or more additional copies. The final corrected copy is submitted electronically.

Special regulations for the Ph.D. degree in particular departments are stated in the entries of those departments.

**Thesis Oral Examination – Doctoral**

After the thesis has been received and approved, a final oral examination is held on the subject of the thesis and subjects intimately related to it. This is conducted in the presence of a Committee of at least five members presided over by a Pro-Dean nominated by Graduate and Postdoctoral Studies. The Chair of the candidate's department and the Thesis Supervisor are regularly invited to be members of the Committee; at least one member of the Committee is appointed from outside the candidate's department. Guidelines are available at www.mcgill.ca/gps/students/thesis/guidelines.

**27.5.3 Ad Hoc Programs**

In exceptional cases, an applicant who wishes to pursue a master's (Thesis option only) or Ph.D. program in an academic department which is not currently authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer graduate programs, may be admitted to an Ad Hoc program. The application, including a research proposal, is examined by an Admissions Committee in the department which has familiarity with the proposed research area and experience in directing graduate studies.

Once the Admissions Committee makes a favourable recommendation, Graduate and Postdoctoral Studies confirms an Advisory Committee (recommended by the academic unit) to be responsible for program planning and monitoring of research progress. The regulations are fully described in the document “Procedures for Admission in Ad Hoc Master's and Doctoral Programs”, available from GPS.

**27.5.4 Ad Personam Programs (Thesis Option only)**

In very rare circumstances, an applicant who wishes to engage in master's (Thesis option only) or Ph.D. studies of an interdisciplinary nature involving joint supervision by two departments, each of which is authorized by the Ministère de l’Éducation, du Loisir et du Sport (MELS) to offer its own graduate programs, may be admitted to an Ad Personam program. The regulations are fully described in a document available from GPS.

**27.5.5 Coursework for Graduate Programs, Diplomas, and Certificates**

Upper-level undergraduate courses (excluding 500-level) may not be considered for degrees, diplomas, and certificates unless they are already listed as required courses in the approved program description. If an upper-level undergraduate course (excluding 500-level) is taken by a graduate student, it must come as a recommendation from the Graduate Program Director in the department. The recommendation must state if the undergraduate course is an additional
requirement for the program (must obtain B- or better) or if the course is extra to the program (will be flagged as such on the record and fees will be charged). See document at www.mcgill.ca/gps/staff/registration.

English and French language courses offered by the French Language Centre (Faculty of Arts) or the School of Continuing Studies may not be taken for coursework credits toward a graduate program.

All substitutions for coursework in graduate programs, diplomas, and certificates must be approved by GPS.

Courses taken at other institutions to be part of the requirements of a program of studies must be approved by GPS before registration. Double counting is not permitted.

27.6 General Admission for Graduate Studies

Note: The following admission requirements and application procedures are the minimum standard for applicants to McGill's Graduate and Postdoctoral Studies programs. Some graduate units may require additional qualifications or a higher minimum CGPA; prospective students are strongly urged to consult the unit concerned regarding specific requirements set for their program of interest.

Website: www.mcgill.ca/gradapplicants
Email: servicepoint@mcgill.ca

Deadline: Admission to graduate studies operates on a rolling basis; complete applications and their supporting documentation must reach departmental offices on or before the date for guaranteed consideration specified by the department. To be considered for entrance fellowships, where available, applicants must verify the deadlines with individual departments. Meeting minimum admission standards does not guarantee admission.

27.6.1 Application for Admission

Application information and the online application form are available at www.mcgill.ca/gradapplicants/apply. Applicants (with some exceptions) are required to ask two instructors familiar with their work to send letters of recommendation. All applicants must themselves send, or ask the appropriate university authorities to send, two official or certified copies of their complete academic record from each university-level institution attended to date. McGill graduates do not need to submit McGill transcripts. Letters of recommendation and official transcripts must be sent directly to the department concerned. Please note that all documents submitted to McGill University in support of an application to be admitted, including, but not limited to transcripts, diplomas, letters of reference and test scores, become the property of McGill University and will not be returned to the applicant or issuing institution under any circumstance.

A non-refundable fee of $100 in Canadian funds must accompany each application, otherwise it cannot be submitted. This sum must be paid by credit card and is non-refundable when submitting the online application form. Candidates for Special, Visiting Student, and Qualifying status must apply and pay the application fee every year (i.e., every Fall term).

It is recommended that applicants submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator. An explanation of the grading system used by the applicant's university is essential. The applicant should also indicate the major subject area in which further study is desired.

Completed applications, with supporting documents, must reach departmental offices according to individual department dates for guaranteed consideration. Applicants should contact the department concerned, or see: www.mcgill.ca/gradapplicants/programs. International students are advised to apply well in advance of the date for guaranteed consideration as immigration procedures may be lengthy. Applications received after the prescribed dates for guaranteed consideration may or may not be considered, at the discretion of the department. Candidates will be notified of acceptance or refusal by Graduate and Postdoctoral Studies as quickly as possible.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

27.6.2 Admission Requirements (minimum requirements to be considered for admission)

Applicants should be graduates of a university of recognized reputation and hold a bachelor's degree equivalent to a McGill degree in a subject closely related to the one selected for graduate work. This implies that about one-third of all undergraduate courses should have been devoted to the subject itself and another third to cognate subjects.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. High grades are expected in courses considered by the department to be preparatory to the graduate program. Some departments impose additional or higher requirements.

See www.mcgill.ca/gradapplicants/apply/prepare/requirements/international-degree-equivalency for information on mark/grade equivalencies and degree requirements from countries in Europe and around the world.

Admission to graduate programs at McGill is highly competitive and the final decision rests with Graduate and Postdoctoral Studies. Admission decisions are not subject to appeal or reconsideration.

27.6.3 Admission Tests

Graduate Record Examination (GRE)
The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates’ specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some departments require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to submit the scores along with their other admission material.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases the department has the right to insist on a report from the Graduate Record Examination or some similar test. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly. Some departments of the Faculty of Education also require the taking of various tests.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must submit scores from the Graduate Management Admissions Test (GMAT). The test is a standardized assessment offered by the Graduate Management Admission Council to help business schools assess candidates for admission. For further information see www.mba.com/mba/thegmat.

27.6.4 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English prior to admission, regardless of citizenship status or country of origin.

Normally, applicants meeting any one of the following conditions are NOT required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

Applicants who do not meet any of the above-listed conditions must demonstrate proficiency in English using one of the following options:

1. TOEFL (Test of English as a Foreign Language): minimum acceptable scores are

<table>
<thead>
<tr>
<th>Competency in English</th>
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<tbody>
<tr>
<td>iBT (Internet-based test)</td>
<td>PBT (paper-based test)</td>
</tr>
<tr>
<td>86 overall, (no less than 20 in each of the four component scores)</td>
<td>550</td>
</tr>
<tr>
<td>N.B. an institutional version of the TOEFL is not acceptable.</td>
<td></td>
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</tbody>
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* The CBT is no longer being offered and CBT results are no longer considered valid, or being reported by ETS.

2. IELTS (International English Language Testing System): a band score of 6.5 or greater.
3. MELAB (Michigan English Language Assessment Battery): a mark of 85% or higher.
4. University of Cambridge ESOL Certificate in Advanced English (CAE): a grade of “B” (Good) or higher.
5. University of Cambridge ESOL Certificate of Proficiency in English (CPE): a grade of “C” (Pass) or higher.
6. Edexcel London Test of English - Level 5 - with an overall grade of at least “Pass”.

In each case, applicants must ensure that official test results are sent to McGill directly by the testing service. Applications cannot be considered if test results are not available. These scores are general minima; some departments may set higher requirements.

Revised – July 2008

27.6.5 Admission to a Qualifying Program

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying Program for a Master’s. The undergraduate-level courses to be taken in a Qualifying Program will be prescribed by the department concerned.

Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one qualifying year (i.e., two full-time terms) is permitted.

In all cases, after the completion of a qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the dates for guaranteed consideration. Successful completion of the work in the Qualifying Program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.
In cases where a department recommends a change of registration from Qualifying Program (Fall) to Master's Degree First Year (Winter), students must apply to the degree program by the Winter departmental dates for guaranteed consideration. A Qualifying-Year applicant admitted to a Winter term as a first term of studies must apply for admission for a Fall term as his/her second term of studies.

Students who are ineligible for a Qualifying Program may apply to the appropriate undergraduate faculty for admission as regular or special students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

27.6.6 Admission to a Second Degree Program

A candidate with a given higher degree may apply for admission to a second degree program at the same level but in a different subject. The normal admission requirements must be met and all the usual procedures followed.

27.6.7 Admission to Two Degree Programs

Students may, with special permission granted by Graduate and Postdoctoral Studies, be admitted to two degree programs or to two departments or faculties. Students are never permitted to pursue two full-time degree programs concurrently.

27.6.8 Admission to an Ad Personam Joint Program

Ad Personam joint graduate programs are restricted to master's Thesis option and Ph.D. programs. Students shall be admitted and registered by one department, to be known as the “first department”. Approval for the joint program must be obtained from Graduate and Postdoctoral Studies. The request shall be signed by the Chairs of both departments involved and shall explicitly list the conditions imposed by the second department. The student shall undertake research under the joint supervision of both departments.

Students shall fulfill the degree requirements of the first department and shall complete all the requirements specified by the second department in the request for admission. This program is described in more detail in a document available from GPS.

27.6.9 Admission to an Ad Hoc Program (Thesis)

In exceptional cases, admission to an Ad Hoc program (Thesis) may be considered. Before Graduate and Postdoctoral Studies will authorize the admission of a student into an Ad Hoc program, it must receive a favourable report from a departmental committee constituted to examine the program in question. Candidates, through the supervisor designated by the academic department most closely related to their research field, must submit a research proposal, an outline of the coursework needed including a comprehensive examination (for doctoral programs) in the relevant field, and the list of four supervisory committee members.

Once the request has been approved, the candidate may register following all the regular procedures. A fuller description of the admission procedure is available from GPS.

27.6.10 Reinstatement and Admission of Former Students

Students who have not been registered for a period of less than two years and who have not officially withdrawn from the University by submitting a signed Withdrawal Form to Graduate and Postdoctoral Studies are eligible to be considered for reinstatement into their program. The student's department must recommend, in writing, that the student be reinstated, stipulating any conditions for reinstatement that it deems appropriate. The final decision rests with GPS. Normally, GPS will approve the departmental recommendation. If the student's department chooses not to recommend reinstatement, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Reinstatement fees will be charged in addition to the fees due for the academic session into which the student has been reinstated. The amount of the reinstatement fees is the tuition portion of fees owed for all unregistered terms, up to a maximum of two years just prior to the term of reinstatement. If an individual has not registered for a period of more than two years, their student file will be closed. These individuals and those who have formally withdrawn may be considered for admission. Applicants' admission applications will be considered as part of the current admission cycle, in competition with other people applying during that cycle and in accordance with current graduate admission procedures and policies.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Applicants must inquire about the fees that will be charged.


27.6.11 Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. This can be considered only if the student has not registered. If the student has already registered, no deferral can be granted. The student must withdraw from the University and apply for admission to a later term.
27.7 **Fellowships, Awards, and Assistantships**

Graduate and Postdoctoral Studies  
(Fellowships and Awards Section)  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal, QC H3A 2T5  
Telephone: 514-398-3990  
Fax: 514-398-2626  
Email: graduate.fellowships@mcgill.ca  
Website: www.mcgill.ca/gps/research  
(email: graduate.fellowships@mcgill.ca)  
(www.mcgill.ca/gps/research)

Graduate Fellowships and Awards Calendar: [http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimph/ftl/wwhelp.htm](http://coursecalendar.mcgill.ca/fellowships201112/wwhelp/wwimph/ftl/wwhelp.htm)

The Fellowships and Awards Section of Graduate and Postdoctoral Studies provides processing services for many sources of support for Canadian and non-Canadian students, both new to McGill and continuing. Further information on these and other sources of funding can be found in various publications on the Fellowships and Awards web pages. The Graduate Fellowships and Awards Calendar lists all internal awards as well as numerous external awards.

Entrance Fellowships are awarded on the basis of the application for admission, upon nomination by academic departments. Most internal fellowships are awarded in this manner – please contact the proposed academic department directly for further information.

Research Assistantships, Teaching Assistantships, and stipends from professors' research grants are handled by individual academic departments at McGill. Fellowships, assistantships, and stipends are used to make funding packages for graduate students. All assistantship and stipend inquiries should be directed to departments.

A small number of citizens from countries whose governments have entered into agreements on tuition fees with Quebec may be exempted from the supplemental tuition fees normally required of international students. All French citizens and a limited number of citizens of a country in the list, which can be found at [www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf](http://www.mels.gouv.qc.ca/ens-sup/ens-univ/droits_scolarite-A_pays-organisations.pdf), are eligible for such exemptions. For more information and the necessary application materials, see this MELS website: [www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp](http://www.mels.gouv.qc.ca/international/index_en.asp?page=progExemp). The list of organizations where students should apply can be accessed from this website.

Differential Fee Waivers (DFW's) for international students provide eligible non-Canadian graduate students with waivers of the international tuition fee supplement. There are no application forms for differential fee waivers, since these are awarded on the basis of departmental nominations made to the Fellowships and Awards Section. Eligible students should contact their McGill department.

27.8 **Postdoctoral Research**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Research section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

27.8.1 **Postdocs**

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University’s academic staff, including Adjunct Professors, to assist him/her in research.

Postdocs must be appointed by their department and registered with Graduate and Postdoctoral Studies in order to have access to University facilities (library, computer, etc.).

27.8.2 **Guidelines and Policy for Academic Units on Postdoctoral Education**

The general guidelines listed below are meant to encourage units to examine their policies and procedures to support postdoctoral education. Every unit hosting Postdocs should have explicitly stated policies and procedures for the provision of postdoctoral education as well as established means for informing Postdocs of policies, procedures, and privileges (e.g., orientation sessions, handbooks, etc.), as well as mechanisms for addressing complaints. Academic units should ensure that their policies, procedures and privileges are consistent with these guidelines and the Charter of Students’ Rights. For their part, Postdocs are responsible for informing themselves of policies, procedures and privileges.

1. **Definition and Status**

   i. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations. Persons may only be registered with postdoctoral status for a period of up to five years from the date they were awarded a Ph.D. or equivalent degree. Time allocated to parental or health leave is added to this period of time. Leaves for other reasons, including vacation leave, do not extend the term. Postdocs must do research under the supervision of a McGill professor, including Adjunct Professors, who are a member of McGill's academic staff qualified in the discipline in which training is being provided and with the abilities to fulfil responsibilities as a supervisor of the research and as a mentor for career development. They are expected to be engaged primarily in research with minimal teaching or other responsibilities.
2. Registration
   i. Postdocs must be registered annually with the University through Graduate and Postdoctoral Studies. Initial registration will require an original or notarized copy of the Ph.D. diploma. Registration will be limited to persons who fulfill the definition above and for whom there is an assurance of appropriate funding and where the unit can provide assurance of the necessary resources to permit postdoctoral education.
   ii. Upon registration, the Postdoc will be eligible for a University identity card issued by Enrolment Services.

3. Appointment, Pay, Agreement of Conditions
   i. Appointments may not exceed your registration eligibility status.
   ii. In order to be registered as a Postdoc, you must be assured of financial support other than from personal means during your stay at McGill University, equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies. There are no provisions for paid parental leave unless this is stipulated in the regulations of a funding agency outside the University.
   iii. At the outset of a postdoctoral appointment, a written Letter of Agreement for Postdoctoral Education should be drawn up and signed by the Postdoc, the supervisor, and the department head or delegate (see template Letter of Agreement on the web at www.mcgill.ca/gps/postdocs and supporting document – commitments for Postdoctoral Scholars and Supervisors at www.mcgill.ca/file/gps/Commitments_of_Postdoctoral_Scholars_and_Supervisors_July_09.pdf). This should stipulate, for example, the purpose of the postdoctoral appointment (research training and the advancement of knowledge), the duration of the fellowship/financial support, the modality of pay, the work space, travel funds, and expectations and compensation for teaching and student research supervision. Leaves from postdoctoral education must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Graduate and Postdoctoral Studies General Information section 14.8.3: Vacation Policy for Graduate Students and Postdocs and section 14.9.6: Health and Parental/Familial Leave of Absence Policy). Any breach of these conditions may result in grievance procedures or the termination of the postdoctoral appointment.
   iv. Postdocs with full responsibility for teaching a course should be compensated over and above their fellowship at the standard rate paid to lecturers by their department.
   v. The amount of research, teaching, or other tasks that Postdocs engage in over and above postdoctoral activities should conform to the regulations for Postdocs specified by the Canadian research council of their discipline. This applies to all Postdocs, including those whose funding does not come from the Canadian research councils.

4. Privileges
   i. Postdocs have the same pertinent rights as the ones granted to McGill students in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.
   ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
   iii. As a rule, Postdocs who are Canadian citizens or who have Permanent Resident status may take courses for credit. Admission to such courses should be sought by submitting application documents directly to the appropriate program by the Postdoc. They must be admitted by the department offering the courses as Special Students. These Postdocs may only be enrolled as part-time students in non-degree granting programs. They will be charged fees for these courses.
   iv. Postdocs may be listed in the McGill directory. The Computing Centre will grant Postdocs email privileges on the same basis as graduate students upon presentation of a valid identity card.
   v. The Department of Athletics will grant Postdocs access to sports facilities upon presentation of their identity card. A fee will be charged on an annual or term basis.
   vi. Postdocs are mandatory members of the Post-Graduate Students’ Society (PGSS) and an annual association fee is automatically charged. PGSS fees are mandatory. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
   vii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies and Teaching and Learning services. These sessions are usually free of charge.
   viii. Postdocs have access to the services provided by the Ombudsperson.
   ix. Postdocs may enrol as part-time students in the second language written and spoken English/French courses offered by the School of Continuing Studies/French Language Centre. Postdocs will be charged tuition for these courses. International Postdocs may be required to obtain a CAQ and a Study Permit.
   x. Access to student services and athletic services are available to the Postdoc on an opt-in basis. Fees are applicable.

5. Responsibilities
   i. Postdocs are subject to the responsibilities outlined in the Handbook on Student Rights and Responsibilities (“Green Book”), available at www.mcgill.ca/secretariat/policies/students.
   ii. Each academic unit hosting Postdocs should clearly identify Postdocs’ needs and the means by which they will be met by the unit.
   iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting Postdocs.
   iv. Some examples of responsibilities of the department are:
      – to verify the Postdoc’s eligibility period for registration;
      – to provide Postdocs with departmental policy and procedures that pertain to them;
      – to oversee the registration and appointment of Postdocs;
      – to assign departmental personnel (e.g., Postdoc coordinator and graduate program director) the responsibility for Postdocs;
– to oversee and sign off on the Letter of Agreement for Postdoctoral Education;
– to ensure that each Postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
– to include Postdocs in departmental career and placement opportunities;
– to refer Postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a Postdoc and a supervisor.

v. Some examples of responsibilities of the supervisor are:
– to uphold and transmit to their Postdocs the highest professional standards of research and/or scholarship;
– to provide research guidance;
– to meet regularly with their Postdocs;
– to provide feedback on research submitted by the Postdocs;
– to clarify expectations regarding intellectual property rights in accordance with the University’s policy;
– to provide mentorship for career development;
– to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.

vi. Some examples of responsibilities of Postdocs are:
– to inform themselves of and adhere to the University’s policies and/or regulations for Postdocs for leaves, for research, and for student conduct as outlined in the Handbook on Student Rights and Responsibilities and the General Information, Regulations and Research Guidelines Calendar of Graduate and Postdoctoral Studies;
– to submit a complete file for registration to Graduate and Postdoctoral Studies;
– to sign and adhere to their Letter of Agreement for Postdoctoral Education;
– to communicate regularly with their supervisor;
– to inform their supervisor of their absences.

vii. Some examples of the responsibilities of the University are:
– to register Postdocs;
– to provide an appeal mechanism in cases of conflict;
– to provide documented policies and procedures to Postdocs;
– to provide Postdocs with the necessary information on McGill University student services.

Approved by Senate, April 2000

27.8.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

Council of FGSR April 23, 1999

27.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parental reasons or for health reasons (see section 14.9.6: Health and Parental/Familial Leave of Absence Policy).

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students and Postdocs must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS. See procedure under section 14.9.6: Health and Parental/Familial Leave of Absence Policy. Students who have been granted such a leave will have to register for the term(s) in question and their registration will show as “leave of absence” on their record. No tuition fees will be charged for the duration of the authorized leave. Research supervisors are not obligated to remunerate students and Postdocs on leave. GPS has prepared a summary table of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants. The document is available at www.mcgill.ca/gps/postdocs/becoming/leave under “Information on the Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows”.

27.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Quebec Ministère de l’Éducation, du Loisir et du Sport (MELS) definition of Postdoctoral Fellow, you may be eligible to attend McGill as a Postdoctoral Research Trainee. While at McGill, you can perform research only (you may not register for courses or engage in clinical practice). Medical specialists who will have clinical exposure and require a training card must register through Postgraduate Medical Education of the Faculty of Medicine – not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:
Category 1: An individual who has completed requirements for the Doctoral degree or medical specialty, but the degree/certification has not yet been awarded. The individual will subsequently be eligible for registration as a Postdoctoral Fellow.

Category 2: An individual who is not eligible for Postdoctoral Registration according to the MELS definition, but is a recipient of an external postdoctoral award from a recognized Canadian funding agency.

Category 3: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. The individual wishes to conduct the research stage or elective component of his/her program of study at McGill University under the supervision of a McGill professor. The individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. The application must be accompanied by a letter of permission from the home institution (signed by the Department Chair, Dean or equivalent) confirming registration in their program and stating the expected duration of the research stage. Individuals who are expecting to spend more than one year are encouraged to obtain formal training (Master’s or Ph.D.) through application to a relevant graduate program.

Category 4: An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfills criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).

Note: individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

General Conditions

- the maximum duration is three years;
- must be engaged in full-time research;
- must provide copies of official transcripts/diploma;
- must have the approval of a McGill professor to supervise the research and of the Unit;
- must have adequate proficiency in English, but is not required to provide official proof of English competency to Graduate and Postdoctoral Studies;
- must comply with regulations and procedures governing research ethics and safety and obtain the necessary training;
- will be provided access to McGill libraries, email, and required training in research ethics and safety. Any other University services must be purchased (e.g., access to athletic facilities);
- must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

### 27.9 Graduate Studies Guidelines and Policies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The General Studies Guidelines and Policies section of this publication contains important details required by students during their studies at McGill and should be periodically consulted, along with other sections and related publications.

Note: The University Exam Regulations governed by the section 2.16: University Student Assessment Policy (adopted by Senate in February 2011) are being updated for Fall 2011 and will be available at www.mcgill.ca/students/exams/regulations. The revised Regulations will be published in the University Regulations and Resources section of the 2012-2013 Programs, Courses and University Regulations publication. This “Note” applies to all subsections under this topic Graduate Studies Guidelines and Policies.

### 27.9.1 Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision

The general guidelines suggested below are meant to encourage units to examine their graduate programs and to specify their own policies and procedures. These guidelines are directed primarily toward thesis programs but will, in part, be appropriate for non-thesis programs as well.

Each academic unit should have explicitly stated policies and procedures regarding the advising and supervising of graduate students, as well as established means for informing students of procedures and deadlines (e.g., orientation sessions, handbooks) and mechanisms for addressing complaints. Academic units should ensure that their policies and procedures are consistent with the Charter of Students’ Rights. For their part, graduate students are responsible for informing themselves of these policies and procedures.

1. Assignment of Advisers, Supervisors, and Committees
   i. Each unit should designate a member (or members) of the academic staff (usually the graduate program director) to monitor the progress of students throughout the graduate program, to ensure that all conditions of admission and requirements are fulfilled, to provide students with information on their program, their progress through it, sources of and policies on financial support, and to advise them how to resolve problems which may arise during their program.
   ii. As soon as possible, students should have a supervisor who has competence in the student's proposed area of research, and a program or thesis committee. Although procedures and timetables for choosing supervisors and committees may vary across programs, they should be consistent within a particular program and should be made clear to incoming students. Thesis supervisors must be chosen from academic staff in tenure-track positions. Faculty Lecturers and Research Assistants may not act as supervisors but in exceptional cases, may be co-supervisors. Emeritus Professors and Adjunct Professors may co-supervise. Certain non-tenure track professors appointed in the Faculty of Medicine may be eligible to supervise or co-supervise...
graduate students with the approval of the unit and Graduate and Postdoctoral Studies. In the case of supervision, the academic unit in question must ensure continuity of appropriate supervision of their graduate students.

2. Program

i. Early in their program, students should be informed of the phases through which they must pass toward the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for its successful completion, and any deadlines relating to these phases.

ii. It is important that students are made aware of whatever courses are required to complete their programs, that these courses are available, and that they relate to students' proposed areas of research or to the development of related areas of scholarship.

iii. Where relevant, students should also be informed early in their program of language requirements or comprehensive examinations. The guidelines, criteria and procedures for comprehensive examinations must be explicit and consistently applied in each program. Academic units should consider the rationale for language and comprehensive examinations and how they relate to the objectives of the graduate program.

iv. Every effort should be taken to ensure that students choose, as soon as possible, realistic and appropriate areas of research commensurate with degree requirements.

v. There must be clear procedures established in every unit by which students receive guidance and constructive criticism on their progress on a regular basis through the program (e.g., regular meetings and/or email communication with supervisors and committees, attendance at research seminars, semester or annual reviews of student progress). In addition to regular meetings between the student and supervisor or advisory/thesis committee, each unit must establish a procedure to provide feedback to thesis students regarding their research progress. At least annually, there must be a meeting between the student, supervisor and advisory/thesis committee or, in the case where there is no such advisory/thesis committee, there must be a meeting between the supervisor and a departmental representative, at which objectives for the upcoming year are established and the prior year's research progress recorded and evaluated. A written record of such meetings must include the signature of the student, supervisor, and the advisory/thesis committee member or a departmental representative, and this record must be retained in the student's departmental file. (The Graduate Student Research Objectives Report Form, the Graduate Student Research Progress Record, and the Graduate Student Research Progress Report Form are to be utilized to keep a record of these meetings.) In the case where the student does not make expected progress, the advisory or thesis committee or, in the case where there is no such advisory or thesis committee, the student, supervisor and a departmental representative must meet at least once per semester for the subsequent twelve months to review progress and if appropriate to set new objectives. On the occasion of a second unsatisfactory progress report, the student may be required to withdraw from the program of study.

vi. Students should be made aware of the cost of living in Montreal and of sources of financial support (e.g., teaching or research assistantships, fellowships) and of the facilities available to them (e.g., study space, computers).

vii. Students should receive guidance and encouragement in areas relating to their growth in scholarship, professional development and career planning. Examples may include, where appropriate, reporting research, writing abstracts, preparing papers for conference presentation or for publication, writing grant and fellowship applications, conducting a job search, and preparing for job interviews.

viii. Units should be sensitive to special academic needs and concerns that may arise in the case of certain students, such as international students or students who undertake graduate studies after a long absence from university.

3. Responsibilities

Each unit should clearly identify the student's supervisory needs at each phase and the means by which these needs will be met. Some functions will be fulfilled by the Chair, some by the graduate program director, some by the supervisor and some by the committee. Each unit should clearly identify the specific responsibilities of each of these, as well as the responsibilities of students themselves.

i. Each unit should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

ii. Some examples of the responsibilities of the graduate program director are to be knowledgeable about program requirements, the composition of committees, the procedures for comprehensive and oral defense examinations, and other policies relating to graduate studies; to maintain a dossier on each student's progress; and to be sensitive to graduation deadlines and students' career plans.

iii. Some examples of the responsibilities of a supervisor are to uphold and to transmit to students the highest professional standards of research and/or scholarship; to provide guidance in all phases of the student's research; to meet with their students regularly; to provide prompt feedback when work is submitted including drafts of the thesis; and to clarify expectations regarding collaborative work, authorship, publication and conference presentations.

iv. Some examples of the responsibilities of the students are to inform themselves of program requirements and deadlines; to work within these deadlines; to communicate regularly with the supervisor and committee; and to submit progress reports to the supervisor and committee.

v. The Chair of the unit should ensure that procedures are in place to address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. Such procedures should involve a neutral mediator who will ensure that all sides of a dispute are heard before any decision is made.

4. Quality of Supervision and Teaching

i. Academic units and Graduate and Postdoctoral Studies Programs should consider ways to assess and improve the quality of supervision and to help new supervisors, e.g., through workshops or mentoring models. Procedures for monitoring the quality of graduate student supervision and for providing constructive feedback for supervisors should be developed.

ii. Graduate supervision should be recognized as an integral part of the academic responsibility of an academic unit and should be considered in the allocation of workload, as should the teaching of graduate courses.

iii. Academic units should establish criteria of excellence in supervision and graduate teaching appropriate to their disciplines and should suitably reward those who meet these criteria, e.g., in decisions concerning tenure and promotion, or merit pay awards.
iv. The maximum number of students under the direction of a single supervisor should be consistent with the ability of the supervisor to provide quality supervision, taking into account the workload of the supervisor and norms of the discipline.

v. Procedures should be established for ensuring continuity in supervision when a student is separated from a supervisor – for example, when the supervisor takes a sabbatical leave, retires from McGill or changes universities or when the student leaves to complete field work or takes a job before submitting a thesis.

*Revised by Council of FGSR, April 23, 1999 and October 6, 2003*

### 27.9.2 Policy on Graduate Student Research Progress Tracking

This is a new mandatory policy and procedure to track the research progress of graduate students. The policy is referred to in the amended section 14.9.1: Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision in bold print. Documents to record progress can be found on the GPS website: www.mcgill.ca/gps/staff/forms.

The following is a summary of the main elements of the new mandatory policy. The following steps must be followed for each graduate student in a thesis program:

1. Annually, the student must meet with, at minimum, their supervisor(s) and a departmental representative. This meeting can occur in the context of an annual thesis or advisory committee in those departments that have thesis committees.

2. At the first such meeting (to be held shortly after thesis students begin their programs), written objectives/expectations for the year must be recorded on the first of the three forms, Form #1 (Graduate Student Research Objectives Report Form). All three people at the meeting must sign this form. A student who does not agree to sign the form must write a statement detailing his/her objections to the expectations recorded on the form.

3. Approximately one year later, and every year thereafter, the student, supervisor(s) and the departmental representative should meet again to review the progress that has been achieved toward the recorded objectives. Prior to the meeting, the student should record his/her accomplishments and progress for the year by completing Form #2 (Graduate Student Research Progress Record). This completed form is then evaluated by the supervisor and the departmental representative on Form #3 (Graduate Student Research Progress Report Form). All parties sign Form #3. A student who does not agree to sign the form must write a statement detailing his/her objections. At this same meeting, objectives for the following year should be recorded on Form #1, as per the procedure described in point 2, above.

4. In the event that recorded research progress is unsatisfactory, a new set of objectives should be developed for the student at the meeting, and recorded on Form #1. These new, or interim, objectives apply only to the next semester. Evaluation of progress should take place after that semester has concluded, following the steps described in point 3, above.

5. In the event that a student has any two unsatisfactory evaluations they may be required to withdraw from their program of study. These two unsatisfactory evaluations need not be successive.

6. All forms are to be kept in departmental files.

7. Departments that already have progress tracking forms may continue to utilize them, but these must conform to the fundamental principles underlying this new policy. Specifically, any departmental procedure or forms to record graduate research progress must:

   - be used annually;
   - be used in a meeting with the supervisor and one other departmental representative, and signed by all parties;
   - include a written statement of expectations approximately one year before any evaluation. (Note: This can be one semester in the case of expectations following an unsatisfactory evaluation.);
   - permit the student to submit a minority report and not sign;
   - state clearly that any two unsatisfactory evaluations may be grounds for requiring a student to withdraw.

Please note this new University policy is MANDATORY. Students may grieve against a department that fails to adhere to the policy and procedures outlined above.

*Senate, September 2003*

### 27.9.3 Vacation Policy for Graduate Students and Postdocs

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

### 27.9.4 Ph.D. Comprehensives Policy

**Preamble**

The majority of doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent, such as qualifying examinations, preliminary examinations, candidacy paper, comprehensive evaluation, thesis proposal, etc. The Calendar of Graduate and Postdoctoral Studies (GPS) includes the following statement:

A comprehensive examination or its equivalent is usually held near the end of Ph.D. 2. The results of this examination determine whether or not students will be permitted to continue in their programs. The methods adopted for examination and evaluation and the areas to be examined are specified by
departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of students to inform themselves of these details at the commencement of their programs.

It is recognized that expectations for the Ph.D. comprehensive will vary according to the needs of the discipline. It is important to make it clear to doctoral candidates what the expectations and procedures are for their Ph.D. comprehensive, and to maintain consistency within a given program.

1. General Policy
   At the beginning of the relevant academic year, units must provide doctoral students with a written description of the Ph.D. comprehensive, covering the following issues: objectives and content, format, timing, assessment, grading and reporting, failures. (See below for details.)

2. All units that have a Ph.D. comprehensive must adopt an administrative course number for it, usually XXXX 701. One of the following forms of grading must be adopted and used consistently within the program: Pass/Fail or letter grades. ("Mixed" modes of grading are not permitted, i.e., some students within a program reported on a Pass/Fail basis and others by means of letter grades.)

Specific Issues

Objectives and Content
Units must specify the objectives of the Ph.D. comprehensive. Objectives may include assessing any of the following (or a combination), with a view to determining whether the student demonstrates the necessary research skills and academic achievements to be permitted to continue in the Ph.D. program. (This list is not intended to be exhaustive.)

- knowledge of the discipline (from the point of view of breadth)
- understanding of the proposed field of research
- ability to conduct independent and original research
- a thesis proposal
- professional skills
- ability to present and defend material orally

The content of the comprehensive must be consistent with the objectives and should be appropriately circumscribed. Students must be given an indication of the range of material that may be covered in the examination and suggestions as to how to cover this material (e.g., via reading lists, courses, etc.).

Format
The format of the comprehensive must be clearly stated and must be consistent across students within a particular program. The following list gives some of the more common formats, which are often combined. (This list is not intended to be exhaustive.)

- written examination of a specific duration
- take-home examination
- extended research paper(s)
- written research proposal
- oral exam (which may include or consist of a defense of a research paper or research proposal)

If the comprehensive consists of several parts, the relationship (if any) between them must be made clear.

Timing
Timing of the comprehensive must be specified, including the earliest and latest dates by which the comprehensive is to be completed. Students must be informed of the specific dates of the exam in sufficient time for them to prepare for it.

Given the importance of the Ph.D. comprehensive and the consequences of failure, the exam should be held reasonably early in the program, so that students do not spend several years preparing for it.

Prerequisites must be specified. For example, clarify whether all course work must have been completed prior to the comprehensive and whether the comprehensive is the final step before thesis research and writing.

Assessment, Grading and Reporting
Evaluation parameters must be made clear, including information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, clarify how the committee is appointed and who sits on it. In the case of written examinations, clarify whether the grading is done by one or more people.

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear how these components are factored into the final grade. For example, make it clear whether each component counts equally, whether the assessment is global, and whether failure on one part of the comprehensive examination (or on one question) results in an overall failure.

Feedback
The assessment and reasons for the decision must be documented and provided to the student in sufficient detail to allow the student to understand the decision, including identifying strengths and weaknesses. (A number of units have developed short forms specifically for this purpose.) In the case of oral examinations, the student should also be given feedback on presentation, logical exposition, ability to answer questions, etc.

In the case of oral exams, units may wish to consider the following: ensure that there is a reasonably detailed written assessment of the student’s performance; tape the oral examination; allow the student to select a faculty member to act as a neutral observer; have one faculty member serve as a neutral chair (equivalent to a Pro-Dean); have an “outside” committee member; have the oral examination open to other students and faculty members.

Plagiarism
McGill University values academic integrity, which is fundamental to achieving our mission of the advancement of learning. Therefore, all students must understand the issues associated with academic integrity (see www.mcgill.ca/students/srr/honest for more information).

Plagiarism in a Ph.D. comprehensive examination contravenes McGill University's academic goals and standards. Consequently, any student found guilty of plagiarism under the Code of Student conduct and Disciplinary Procedures (see the Handbook on Students Rights and Responsibilities available at www.mcgill.ca/secretariat/policies/students) in a Ph.D. comprehensive examination may face very serious penalties, even expulsion from the University without the degree.

Failures

i. Repeats

In the event of a failure, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part). The first time a student fails, the student must be informed in writing by the department that he/she has failed the comprehensive and must be informed of conditions relating to a repeat of the examination. In such circumstances, the grade of HH (continuing) will be used. In the event of a second failure, a grade of F will be reported to Graduate and Postdoctoral Studies and the student will be asked to withdraw from the Ph.D. program.

Conditions for retaking the examination must be clearly stated, including the time frame, potential dates, nature of the re-examination, committee membership, etc.

Units have the right to specify further requirements in the event of failure (e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive).

ii. Plagiarism

If plagiarism is suspected, the case will be referred directly to the committee on Student Discipline in accordance with the code of Student Conduct, Part III (article 15) and Part V (A). If plagiarism is established by due University process, the student is considered to have failed the examination, with no possibility of repeat.

iii. Review and Reassessment

Rereads. In the case of written comprehensives, the Graduate Studies Reread Policy applies.

A student who fails an oral examination may request a review. In such cases, Graduate and Postdoctoral Studies will conduct a review of the examination process and procedures.

Other Relevant Policies/Offices

Charter of Student Rights
Graduate Studies Reread Policy
Office for Students with Disabilities

Approved by Executive of Faculty of Graduate Studies and Research (FGSR) February 17, 1997 and Council of FGSR March 7, 1997

27.9.5 Graduate Studies Reread Policy

This policy applies only in the case of marks given for written work in 600- and 700-level courses. For 500-level courses and below, the reread policy of the appropriate undergraduate faculty applies.

Consultation

In accordance with the Charter of Student Rights, and subject to the conditions stated therein, graduate students have the right, subject to reasonable administrative arrangements, “to consult any written submission for which they have received a mark and to discuss this submission with the examiner”. Upon request by the student, the instructor of the course is obliged to conduct this consultation with the student.

(Note: Where materials have been graded by a TA and the student wants a reconsideration of the grade, the faculty member responsible for the course is expected to review the materials and the appropriateness of the grade. This is so even if the materials in question have already been discussed by the TA with the student.)

Verification

In a case where a student feels that totalling errors have been made in arriving at the final grade, the student can request the instructor to carry out a detailed check that all questions have been marked and that the final grade has correctly been computed on the basis of the term work, final examination, etc.

Rereads

According to the Charter, students have the right, subject to reasonable administrative arrangements, “to an impartial and competent review of any mark” (hereafter “reread”).

At the time the request for a reread is made, the student should have already met with the faculty member responsible for the course to review the mark, or made a reasonable attempt to do so. Rereads can only be requested if a change upwards in the letter grade for the course is possible as a result of the reread. Assignments can only be reread if, together, they account for more than 20% of the course grade.

The reread by a second reader is a review of the mark, not the work assigned. It is the second reader's task to determine whether the original mark is fair and reasonable, not to give the work a totally new assessment.

1. The time limit for requesting a reread is within 30 days after posting of the final marks for the course. However, in the case of work which has been graded during the course and returned to the student, students must indicate in writing to Graduate and Postdoctoral Studies within 5 working days of

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receiving the graded work their intention to request a reread. This intention must be confirmed within 30 days of the posting of the final marks for the course.

(Note: Material that is returned to a student cannot be reread unless arrangements have been made to ensure that the material has not been changed subsequent to the original grading; for example, the student can make a copy for the professor to retain either before handing the material in or immediately upon receiving it back from the instructor or at the point where the professor and student review the work together.

Instructors are strongly advised to write their corrections in red pen and to write comments which help the student to understand the mark assigned.)

2. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies and should specify the reasons for the request. It should include a statement indicating that the student has already met with the faculty member responsible for the course to review the mark or indicating why this has not been possible. The reread fee ($35 for an exam, $35 for a paper, $35 for one or more assignments, to a maximum of $105 per course) will be charged directly to the student’s fee account after the result of the reread is received. No fee will be charged if there is a change upwards in the letter grade for the course.

3. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. GPS will contact the department to obtain the work to be reread, a list of potential readers, and details of the marking. The list of potential readers must be approved by the Department Chair or Graduate Program Director. The Chair or Director must, as well, vouch for the impartiality of these readers. All communication with the second reader is conducted by GPS.

The second reader is given the original assignment, with marginalia, corrections, summary comments and mark intact, as well as any notes from the instructor pertinent to the general nature of the course or the assignment and grading schemes, etc.

4. The student’s and the instructor’s names are blanked out to reduce the possibility of prejudice and to help meet the requirement of the Charter of Students’ Rights that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.

5. The second reader should support his or her assessment with a brief memorandum to Graduate and Postdoctoral Studies. As a result of the reread process, the grade may become higher or lower or remain unchanged. The grade submitted by the second reader shall replace the original grade. The reread grade cannot be challenged.

In the case of requests for rereads of group work, all members of the group must sign the request, indicating that they agree to the reread. In the event that members of the group are not in agreement, the written request should indicate which students are requesting the reread and which students do not wish for a reread. In such cases, the outcome of the reread (whether positive or negative) will affect only the students in favour of the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

Prepared by the Committee on Graduate Programs, Supervision and Teaching
Approved by Council of the Faculty of Graduate Studies and Research, May 12th 1995

27.9.6 Health and Parental/Familial Leave of Absence Policy

A leave of absence may be granted by Graduate and Postdoctoral Studies for maternity or parenting (interpreted according to McGill’s “Parental Leave Policy” for non-academic staff) reasons or for health reasons.

Such a leave must be requested on a term by term basis and may be granted for a period of up to 52 weeks. Students must make a request for such a leave in writing to their department and submit a medical certificate. The department shall forward the request to GPS.

During a leave of absence for parental or familial reasons, a student will not be eligible to take courses but he/she may request and expect guidance on thesis and research work and will have free access to the University's academic facilities. Library services will continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath). In special circumstances, familial leave may be considered by GPS for a student when a close family member is ill.

During a leave of absence for health reasons, a student will not be eligible to request guidance on thesis and research work or to take courses. He/she will not have access to the University's academic facilities but Library services will normally continue to be available by registering at the Circulation Desk of the Humanities and Social Sciences Library (McLennan-Redpath).

A medical certificate must accompany such leave requests.

Council of FGSR, March 1999

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.1.11: Leave of Absence Status for information regarding registration of graduate students and Postdocs on such leaves.

Procedure:

All requests for a leave of absence for health reasons should be accompanied by the following:

- a duly completed Leave of Absence/Non-Resident Request Form available from www.mcgill.ca/gps/staff/registration;
- a written request from the student;
- a Minerva form to drop all courses for all relevant terms;
- a medical certificate.

To be acceptable, the medical certificate must contain at least the following items:

- the student's name, as well as complete contact information for the physician;
• a clear statement by the physician justifying the student's inability to perform his/her academic duties, with start and end dates;
• if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health conditions in question did not prevent the normal performance of academic duties at the beginning of the semester.

No retroactive requests for leave of absence will be considered.
It remains the student's responsibility to verify their administrative situation, in particular, as it pertains to term and course registration.

27.9.7 Failure Policy

Please refer to University Regulations and Resources > Graduate > Regulations > section 2.14: Failure Policy for information regarding the policy and procedures to follow in cases of failure.

27.9.8 Guideline on Hours of Work

In order to maintain full-time status, a graduate student should not work more than 180 hours per term over 15 weeks with 12 hours per week.

27.10 Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines, Patents, Postdocs, Associates, Trainees section of this publication contains important details required by postdoctoral scholars during their studies at McGill and should be periodically consulted, along with other sections and related publications.

27.10.1 Policy on Research Ethics


27.10.2 Regulations on Research Policy


27.10.3 Policy on Research Integrity

Please refer to the Policy on Research Integrity available at: www.mcgill.ca/research/about/integrity.

27.10.4 Guidelines for Research Involving Human Subjects


27.10.5 Guidelines for Research with Animal Subjects

Please refer to the guidelines for research involving animal subjects available at: www.mcgill.ca/research/researchers/compliance/animal.

27.10.6 Policy on Intellectual Property


27.10.7 Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at www.mcgill.ca/secretariat/policies/conflictofinterest.

27.10.8 Safety in Field Work

Please refer to the policies on safety in field work available at www.mcgill.ca/ehs/fieldworksafety.

27.10.9 Office of Sponsored Research

27.10.10 Postdocs

Please see www.mcgill.ca/gps/postdocs.

27.10.11 Research Associates

A Research Associate is a senior career researcher who usually works independently, in most cases has a Ph.D. or equivalent, and is often supported directly by outside granting agencies. (www.mcgill.ca/apo/classifications/other/research-associate)

27.11 Academic Programs

The programs and courses in the following sections have been approved for the 2011-2012 session as listed, but the Faculty reserves the right to introduce changes as may be deemed necessary or desirable.

27.11.1 Atmospheric and Oceanic Sciences

27.11.1.1 Location

Department of Atmospheric and Oceanic Sciences
Burnside Hall
805 Sherbrooke Street West, Room 945
Montreal, QC H3A 2K6
Canada
Telephone: 514-398-3764
Fax: 514-398-6115
Email: gradinfo@meteo.mcgill.ca
Website: www.mcgill.ca/meteo

27.11.1.2 About Atmospheric and Oceanic Sciences

The Department of Atmospheric and Oceanic Sciences offers courses and research opportunities in atmospheric sciences and physical oceanography leading to the M.Sc. and Ph.D. degrees. Research programs borrow from fundamental fields such as mathematics, statistics, physics, chemistry, and computing to address a broad range of topics relating to weather and climate. Examples include atmospheric chemistry, climate dynamics, cloud and precipitation physics, dynamical oceanography and meteorology, geophysical turbulence, numerical modelling, numerical weather prediction, ocean carbon budgets, and sea ice dynamics, as well as synoptic, mesoscale, and radar and satellite meteorology.

Some faculty members have close ties with other departments, schools, and centres, including the Chemistry and Mathematics and Statistics departments, the McGill School of the Environment, the Global Environmental and Climate Change Centre (GEC3), ArcticNet, and Quebec Ocean. Facilities include the J. Stewart Marshall Radar Observatory, as well as state-of-the-art field and laboratory equipment for atmospheric chemistry. Graduate students have access to computers, ranging from desktop PCs to the massive parallel machines available to us through CLUMEQ and Compute Canada, and the IBM supercomputer at Environment Canada. In some cases, M.Sc. and Ph.D. research may include a field component. Most students also participate in national and international conferences.

Financial assistance in the form of research stipends and teaching assistantships is available for all qualified graduate students.

section 27.11.1.5: Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) (45 credits)

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and/or oceans. The ideal student would therefore have a strong quantitative background in one or more of these fields. Although some of our students have undergraduate knowledge of meteorology or physical oceanography, such background is not necessary to succeed in the program. McGill offers the only program in Canada which includes both atmospheric and oceanic sciences. Students benefit from a large professor to student ratio, access to state-of-the-art computing, remote sensing, and atmospheric chemistry laboratory equipment. The Department also has close ties with Environment Canada's numerical weather prediction centre in Dorval, Quebec. Most of our incoming M.Sc. student choose this (default) option. It allows considerable flexibility as to the choice of research topics, and gives students both a strong classroom knowledge of the subject as well as the opportunity to choose from a variety of thesis research projects. Students who do not choose to continue in academia find employment in a variety of areas and places, for example, working with Environment Canada as research associates or weather forecasters.

section 27.11.1.6: Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits)

The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking.

McGill University, Graduate and Postdoctoral Studies Programs, Courses and University Regulations, 2011-2012 (Published September 13, 2011)
section 27.11.1.6: Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits)

Students following the Environment option must first be accepted by the Department of Atmospheric and Oceanic Sciences, and then by the McGill School of Environment (MSE) before an offer of admission will be made by the University. Environment option students require either a single supervisor with a joint appointment in Atmospheric and Oceanic Sciences and the MSE, or co-supervisors, one each in Atmospheric and Oceanic and the MSE.

section 27.11.1.7: Doctor of Philosophy (Ph.D.); Atmospheric and Oceanic Sciences

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and or oceans. The ideal student would therefore have a strong quantitative background in one or more of these fields. Although some of our students have undergraduate knowledge of meteorology of physical oceanography, such background is not necessary to succeed in the program. McGill offers the only program in Canada which includes both atmospheric and oceanic sciences. Students benefit from a large professor to student ratio, access to state-of-the-art computing, remote sensing, and atmospheric chemistry laboratory equipment. The Department also has close ties with Environment Canada's numerical weather prediction centre in Dorval, Quebec. Students who do not choose to continue in academia find employment in a variety of areas and places, for example, working with Environment Canada as research associates or weather forecasters.

27.11.1.3 Atmospheric and Oceanic Sciences Admission Requirements and Application Procedures

27.11.1.3.1 Admission Requirements

Applicants for the M.Sc. program must meet the general requirements of Graduate and Postdoctoral Studies and hold a bachelor's degree with high standing in atmospheric science, physics, mathematics, engineering, or equivalent.

The normal requirement for admission to the Ph.D. program is an M.Sc. degree in atmospheric science, physical oceanography, or related discipline with acceptably high standing. Students without a master's degree in Atmospheric Science (Meteorology) or Physical Oceanography but with a strong background in related disciplines (physics, mathematics, engineering) may be admitted to the Ph.D. program. They enter at the Ph.D. 1 rather than the Ph.D. 2 level, and devote the first year of the program mainly to coursework.

Inquiries should be addressed directly to the Chair of Admissions, Department of Atmospheric and Oceanic Sciences.

27.11.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Note: We are not willing to consider any applications to be admitted for the Summer term.

27.11.1.4 Atmospheric and Oceanic Sciences Faculty

Chair

J.R. Gyakum

Emeritus Professors

J.F. Derome; B.Sc., M.Sc.(McG.), Ph.D.(Mich.), F.R.S.C.
H.G. Leighton; B.Sc., M.Sc.(McG.), Ph.D.(Alta.)
L.A. Mysak; C.M., B.Sc.(Alta.), M.Sc.(Adel.), A.M., Ph.D.(Harv.), F.R.S.C. (Canada Steamship Lines Professor of Meteorology)
R.R. Rogers; B.S.(Texas), S.M.(MIT), Ph.D.(NYU)
I. Zawadzki; B.Sc.(Buenos Aires), M.Sc., Ph.D.(McG.), F.R.S.C.

Professors

J.R. Gyakum; B.Sc.(Penn. St.), M.Sc., Ph.D.(MIT)
M.K. Yau; S.B., S.M., Sc.D.(MIT) (NSERC/Hydro-Québec Industrial Research Chair in Short-term Forecasting of Precipitation)
I. Zawadzki; B.Sc.(Buenos Aires), M.Sc., Ph.D.(McG.), F.R.S.C.

Associate Professors

P. Ariya; B.Sc., Ph.D.(York) (William Dawson Scholar) (joint appt. with Chemistry)
P. Bartello; B.Sc., M.Sc., Ph.D.(McG.) (joint appt. with Mathematics)
F. Fabry; B.Sc., M.Sc., Ph.D.(McG.) (joint appt. with McGill School of Environment)


**Associate Professors**

D. Straub; B.S., M.S.(SW Louisiana), Ph.D.(Wash.)
B. Tremblay; B.Sc., M.Sc.(Car.), Ph.D.(McG.)

**Assistant Professors**

M. Bourqui; B.Sc., M.Sc.(EPFL, Switzerland), Ph.D.(ETHZ, Switzerland) *(joint appt. with Chemistry)*
P. Kollias; B.Sc., M.S.(Athens), Ph.D.(Miami) *(Canada Research Chair)*
J. Palter; B.Sc., Ph.D.(Duke)
S.-W. Son; B.Sc., M.Sc.(Seoul National, Korea), Ph.D.(Penn. St.) *(Canada Research Chair)*

**Adjunct Professors**

P. Gauthier, C.A. Lin, H. Lin, D. Matthews, S. Melo, R.E. Stewart

### 27.11.1.5 Master of Science (M.Sc.): Atmospheric and Oceanic Sciences (Thesis) (45 credits)

The M.Sc. degree requires a minimum of 45 credits, up to a maximum of 51 credits. The program includes from 9 to 27 credits of coursework (depending on the student's background).

**Thesis Courses (24 credits)**

- ATOC 691 (3) Master's Thesis Literature Review
- ATOC 692 (6) Master's Thesis Research 1
- ATOC 694 (3) Master's Thesis Progress Report and Seminar
- ATOC 699 (12) Master's Thesis

Students registered in M.Sc. programs are expected to regularly attend both the student seminar series (ATOC 751D1/D2 or ATOC 752D1/D2) and the Department seminar series during the entire period of their enrolment in the program.

**Complementary Courses (21 credits)**

Must complete or have completed the following courses or equivalent:

- ATOC 512 (3) Atmospheric and Oceanic Dynamics
- ATOC 513 (3) Waves and Stability
- ATOC 515 (3) Turbulence in Atmosphere and Oceans
- ATOC 521 (3) Cloud Physics
- ATOC 525 (3) Atmospheric Radiation
- ATOC 530 (3) Paleoclimate Dynamics
- ATOC 531 (3) Dynamics of Current Climates
- ATOC 540 (3) Synoptic Meteorology 1
- ATOC 541 (3) Synoptic Meteorology 2
- ATOC 568 (3) Ocean Physics
- ATOC 619* (3) Advanced Atmospheric Chemistry
- ATOC 626 (3) Atmospheric/Oceanic Remote Sensing
- ATOC 646 (3) Mesoscale Meteorology
- ATOC 666 (3) Topics In Ocean Circulation
- CHEM 619* (3) Advanced Atmospheric Chemistry

* Students may select either ATOC 619 or CHEM 619.
Or other courses at the 500 level or higher recommended by the department's Graduate Program Director.

Students with a strong background in atmospheric or oceanic science, or a Diploma in Meteorology, will take at least the 7 credit minimum. Students with no previous background in atmospheric or oceanic science must take the 20 credit maximum.

### 27.11.1.6 Master of Science (M.Sc.); Atmospheric and Oceanic Sciences (Thesis) — Environment (45 credits)

#### Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATOC 691</td>
<td>3</td>
<td>Master's Thesis Literature Review</td>
</tr>
<tr>
<td>ATOC 692</td>
<td>6</td>
<td>Master's Thesis Research 1</td>
</tr>
<tr>
<td>ATOC 694</td>
<td>3</td>
<td>Master's Thesis Progress Report and Seminar</td>
</tr>
<tr>
<td>ATOC 699</td>
<td>12</td>
<td>Master's Thesis</td>
</tr>
</tbody>
</table>

Students registered in M.Sc. programs are expected to regularly attend both the student seminar series (ATOC 751D1/D2 or ATOC 752D1/D2) and the Department seminar series during the entire period of their enrolment in the program.

#### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
</tbody>
</table>

#### Complementary Courses (15 credits)

12 credits of Departmental courses chosen from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATOC 512</td>
<td>3</td>
<td>Atmospheric and Oceanic Dynamics</td>
</tr>
<tr>
<td>ATOC 513</td>
<td>3</td>
<td>Waves and Stability</td>
</tr>
<tr>
<td>ATOC 515</td>
<td>3</td>
<td>Turbulence in Atmosphere and Oceans</td>
</tr>
<tr>
<td>ATOC 521</td>
<td>3</td>
<td>Cloud Physics</td>
</tr>
<tr>
<td>ATOC 525</td>
<td>3</td>
<td>Atmospheric Radiation</td>
</tr>
<tr>
<td>ATOC 530</td>
<td>3</td>
<td>Paleoclimate Dynamics</td>
</tr>
<tr>
<td>ATOC 531</td>
<td>3</td>
<td>Dynamics of Current Climates</td>
</tr>
<tr>
<td>ATOC 540</td>
<td>3</td>
<td>Synoptic Meteorology 1</td>
</tr>
<tr>
<td>ATOC 541</td>
<td>3</td>
<td>Synoptic Meteorology 2</td>
</tr>
<tr>
<td>ATOC 568</td>
<td>3</td>
<td>Ocean Physics</td>
</tr>
<tr>
<td>ATOC 619*</td>
<td>3</td>
<td>Advanced Atmospheric Chemistry</td>
</tr>
<tr>
<td>ATOC 626</td>
<td>3</td>
<td>Atmospheric/Oceanic Remote Sensing</td>
</tr>
<tr>
<td>ATOC 646</td>
<td>3</td>
<td>Mesoscale Meteorology</td>
</tr>
<tr>
<td>ATOC 666</td>
<td>3</td>
<td>Topics In Ocean Circulation</td>
</tr>
<tr>
<td>CHEM 619*</td>
<td>3</td>
<td>Advanced Atmospheric Chemistry</td>
</tr>
</tbody>
</table>

* Students may select either ATOC 619 or CHEM 619.

3 credits of MSE courses chosen from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 519</td>
<td>3</td>
<td>Global Environmental Politics</td>
</tr>
<tr>
<td>ENVR 544</td>
<td>3</td>
<td>Environmental Measurement and Modelling</td>
</tr>
</tbody>
</table>
ENVR 580 (3) Topics in Environment 3
ENVR 611 (3) The Economy of Nature
ENVR 620 (3) Environment and Health of Species
ENVR 622 (3) Sustainable Landscapes
ENVR 630 (3) Civilization and Environment
ENVR 680 (3) Topics in Environment 4

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

27.11.1.7 Doctor of Philosophy (Ph.D.); Atmospheric and Oceanic Sciences

Thesis

Required Courses
(1 credit)
ATOC 700 (1) Ph.D. Proposal Seminar
ATOC 701 (0) Ph.D. Comprehensive (General)

Complementary Courses (7 credits)

Students are required to take ATOC 751D1 and ATOC 751D2 OR ATOC 752D1 and ATOC 752D2.

1 credit from:
ATOC 751D1 (.5) Seminar: Physical Meteorology
ATOC 751D2 (.5) Seminar: Physical Meteorology
ATOC 752D1 (.5) Atmospheric, Oceanic and Climate Dynamics
ATOC 752D2 (.5) Atmospheric, Oceanic and Climate Dynamics

And 6 credits from the Department of Atmospheric and Oceanic Sciences, at the 500 or 600 level, as approved by the Graduate Program Director.

27.11.2 Biology

27.11.2.1 Location

Department of Biology
Stewart Biological Sciences Building, Room W4/8
1205 Dr. Penfield Avenue
Montreal, QC H3A 1B1
Canada

Telephone: 514-398-6400
Fax: 514-398-5069
Email: gradinfo.biology@mcgill.ca
Website: http://biology.mcgill.ca

27.11.2.2 About Biology

The Department offers graduate training in many areas of biology with particular strengths in the following areas: Molecular Biology and Genetics; Cell and Developmental Biology; Ecology, Biodiversity, and Conservation; Evolution; Neurobiology; Bioinformatics; and Plant Biology. In addition to the regular M.Sc. and Ph.D. programs, the Biology Department offers specialized programs, known as "options", in certain specific areas: Neotropical Environments (NEO), Bioinformatics, Environment, and Developmental Biology.

Graduate programs leading to the M.Sc. and Ph.D. degrees are offered. Both are research-intensive degrees, and the emphasis in both programs is on development of the intellectual and technical skills necessary for independent research. The main component of both degrees is a thesis presenting results of this work and the student’s original contribution to scientific knowledge. Formal coursework, usually in the form of literature-based seminar courses, is...
minimal and typically completed within the first year. Students present their own work annually in a formal seminar, and regularly attend other seminar series and journal clubs, in order to round out their scientific training.

In addition to working with world-class researchers, graduate students in Biology have access to top-notch research infrastructure. The recently renovated Stewart Biology Building and the newly constructed Bellini Life Sciences Complex are equipped with state of the art equipment and facilities for sophisticated imaging, robotic, and genetic techniques, to name a few. These in-house capabilities are complemented by a wide range of field research facilities, which include the Gault Nature Reserve at Mont St. Hilaire (Québec), the Morgan Arboretum (Québec), the Huntsman Marine Science Centre (New Brunswick), the Subarctic Research Laboratory (Québec), the Bellairs Research Institute (Barbados), the Smithsonian Tropical Research Institute (Panama), and the limnology research station at the Wilder and Helen Penfield Nature Reserve on Lake Memphremagog (Québec). These resources are also extended by affiliation with other organizations such as the Redpath Museum, the Biotechnology Research Institute of the National Research Council of Canada, the Groupe Interuniversitaire de Recherches Océanographiques du Québec (GIROQ), the McGill Macdonald campus, the Montreal Neurological Institute, the Jewish General Hospital, the Montreal General Hospital, Montreal Children's, and Royal Victoria Hospitals.

The Department specifies a minimum level of support for all graduate students. This amount is $15,500 per annum plus tuition fees. The required minimum duration of support is two years for the M.Sc. program, five years for a Ph.D. student as Ph.D. 1 (from a bachelor’s) and four years for a Ph.D. student as Ph.D. 2.

The graduate program of each student is established and regularly evaluated by a three-member supervisory committee appointed by the Graduate Training Committee and chaired by the student’s thesis supervisor.

section 27.11.2.5: Master of Science (M.Sc.): Biology (Thesis) (45 credits)

The typical graduate student in this program has a strong background knowledge in cell and molecular biology, biochemistry, organismal biology, ecology, developmental biology, and statistics, often with special strengths in the area of proposed study. Given the continuing trend toward interdisciplinary work, the program also accepts students with a high scholastic standing who have completed a program in fields other than biology (medicine, engineering, chemistry, physics, etc.). Admission is based on an evaluation by the applicant’s potential supervisor, who is the faculty member who will provide supervision and financial support for the student’s research, and by the Biology Graduate Training Committee. Prospective graduate students are encouraged to contact faculty members with whom they wish to study before applying for admission.

Alumni have gone on to pursue a wide range of careers. Many go on to pursue postdoctoral research and later assume faculty positions, while others work as researchers in industry, wildlife biologists, forensic technologists, or science policy advisers, to name a few.

section 27.11.2.6: Master of Science (M.Sc.): Biology (Thesis) — Environment (48 credits)

The Environment graduate option offers students the opportunity to pursue environment-focused graduate research in the context of a range of different fields, including Anthropology, Atmospheric and Oceanic Sciences, Biology, Bioresource Engineering, Earth and Planetary Sciences, Entomology, Epidemiology, Experimental Medicine, Geography, Law, Microbiology, Plant Science, Parasitology, Philosophy, Renewable Resources, and Sociology. Through a program consisting of research, seminars and two courses, this option adds a layer of interdisciplinarity that challenges students to develop and defend their research and think in a broader context. Students graduating from the M.Sc. or Ph.D. program under the Environment option will therefore be able to understand and critically analyze an environmental problem from several perspectives (e.g., social, cultural, scientific, technological, ethical, economic, political, legislative) and at a local, national, regional, and/or international scale. In addition, they will be able to explore and critically assess analytic and institutional approaches for alleviating the selected environmental problem, and to effectively communicate research findings to both specialist and lay audiences. Coordinated and administered through the McGill School of Environment (MSE), the Environment option is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues and who wish to benefit from interactions that will occur as they interact with students from a wide range of different disciplines.

section 27.11.2.7: Master of Science (M.Sc.): Biology (Thesis) — Neotropical Environment (48 credits)

The McGill-Smithsonian Tropical Research Institute (STRI) Neotropical Environment Option (NEO) is a research-based option for M.Sc. or Ph.D. students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University. The NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. The typical NEO student has a very strong interest in conservation because NEO courses focus on conservation issues. Students in the program have diverse backgrounds, including both Latin American and Canadian students, and must either speak Spanish or enroll in a Spanish course when they enter the program. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Accordingly, each student will have two co-supervisors, one from McGill and one from STRI. Students will complete their research in Latin America and the NEO's core and complementary courses will be taught in Panama. Participation in the MSE-Panama Symposium presentation in Montreal is also required. Through this educational approach, NEO seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

section 27.11.2.8: Master of Science (M.Sc.): Biology (Thesis) — Bioinformatics (48 credits)

The goal of the Bioinformatics option is to train students to become researchers in the interdisciplinary field of Bioinformatics, which lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. This work includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. The Bioinformatics graduate option consists of a number of interdisciplinary courses, as well as a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field. The typical entering student will be affiliated with one of about fourteen different “home” departments in three different faculties, chosen based on his/her specific field of expertise, and will therefore meet the specific requirements for that department. The student will additionally be evaluated according to requirements specific to the Bioinformatics option. Students in this option will have access to five specialized courses that are open only to students within
the Bioinformatics option. At the M.Sc. level, students successfully completing the Bioinformatics option will be fluent in the concepts, language, approaches, and limitations of the field.

**section 27.11.2.9: Doctor of Philosophy (Ph.D.); Biology**

The typical graduate student in this program has a strong background knowledge in cell and molecular biology, biochemistry, organismal biology, ecology, developmental biology, and statistics, often with special strengths in the area of proposed study. The program also accepts some students with a high scholastic standing who have completed a program in fields other than biology (medicine, engineering, chemistry, physics, etc.). Admission is based on an evaluation by the applicant’s potential supervisor, who is the faculty member who will provide supervision and financial support for the student’s research, and by the Biology Graduate Training Committee. Prospective graduate students are encouraged to contact faculty members with whom they wish to study before applying for admission.

Alumni have gone on to pursue a wide range of careers. Many go on to pursue postdoctoral research and later assume faculty positions, while others work as researchers in industry, wildlife biologists, forensic technologists, or science policy advisers, to name a few.

**section 27.11.2.10: Doctor of Philosophy (Ph.D.); Biology — Developmental Biology**

The option in Developmental Biology brings together the strong concentration of outstanding developmental biology researchers at McGill and across Montreal to offer students the opportunity to pursue cutting edge research in developmental biology in a rich and collaborative environment. This option is intended to provide broad training in developmental biology and offers research opportunities with a variety of vertebrate, invertebrate and plant model systems, including Drosophila, C. elegans, Arabidopsis, and mice. Participating faculty are drawn from research institutions across Montreal in addition to the Department of Biology, including the Montreal Neurological Institute, the Institut de Recherches Cliniques de Montréal (IRCM), and the Rosalind and Morris Goodman Cancer Centre. The synergies arising from this network enhance a unique training environment that provides students with outstanding theoretical and practical preparation for a future career in science. This Ph.D. program is distinguished from the graduate program in Biology because entering students will carry out three research “rotations” during their first semester, allowing them to experience a variety of research areas before choosing a supervisor for the remainder of their graduate work. Students enter directly from their undergraduate studies, and the primary criterion for admission to the program is a strong background in research at the undergraduate level. It is also expected that candidates will have a CGPA of 3.5 or better, although exceptions may be made for applicants with outstanding research experience. Students will also participate in courses, retreats, and symposia specific to the program.

**section 27.11.2.11: Doctor of Philosophy (Ph.D.); Biology — Environment**

The Environment graduate option offers students the opportunity to pursue environment-focused graduate research in the context of a range of different fields, including Anthropology, Atmospheric and Oceanic Sciences, Biology, Bioresource Engineering, Earth and Planetary Sciences, Entomology, Epidemiology, Experimental Medicine, Geography, Law, Microbiology, Plant Science, Parasitology, Philosophy, Renewable Resources, and Sociology. Through a program consisting of research, seminars and two courses, this option adds a layer of interdisciplinarity that challenges students to develop and defend their research and think in a broader context. Students graduating from the M.Sc. or Ph.D. program under the Environment option will therefore be able to understand and critically analyze an environmental problem from several perspectives (e.g., social, cultural, scientific, technological, ethical, economic, political, legislative) and at a local, national, regional, and/or international scale. In addition, they will be able to explore and critically assess analytic and institutional approaches for alleviating the selected environmental problem, and to effectively communicate research findings to both specialist and lay audiences. Coordinated and administered through the McGill School of Environment (MSE), the Environment option is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues and who wish to benefit from interactions that will occur as they interact with students from a wide range of different disciplines. This option is available for Master’s and/or Ph.D. students in: Agricultural and Environmental Sciences (Bioresource Engineering, Entomology, Microbiology, Plant Science, Parasitology, Renewable Resources), Arts (Anthropology, Geography, Philosophy, Sociology), Law, Medicine (Epidemiology and Experimental Medicine), and Science (Atmospheric and Oceanic Sciences, Biology, Earth and Planetary Sciences, Geography).

**section 27.11.2.12: Doctor of Philosophy (Ph.D.); Biology — Neotropical Environment**

The McGill-Smithsonian Tropical Research Institute (STRI) Neotropical Environment Option (NEO) is a research-based option for M.Sc. or Ph.D. students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University. The NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. The typical NEO student has a very strong interest in conservation because NEO courses focus on conservation issues. Students in the program have diverse backgrounds, including both Latin American and Canadian students, and must either speak Spanish or enroll in a Spanish course when they enter the program.

NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Accordingly, each student will have two co-supervisors, one from McGill and one from STRI. Students will complete their research in Latin America and the NEO's core and complementary courses will be taught in Panama. Through this educational approach, NEO seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

**section 27.11.2.13: Doctor of Philosophy (Ph.D.); Biology — Bioinformatics**

The goal of the Bioinformatics option is to train students to become researchers in the interdisciplinary field of Bioinformatics, which lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. This work includes the development of strategies for experimental design,
the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

The Bioinformatics graduate option consists of a number of interdisciplinary courses, as well as a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field. The typical entering student will be affiliated with one of about fourteen different “home” departments in three different faculties, chosen based on his/her specific field of expertise, and will therefore meet the specific requirements for that department. The student will additionally be evaluated according to requirements specific to the Bioinformatics option. Students in this option will have access to five specialized courses that are open only to students within the Bioinformatics option. At the Ph.D. level students will be fluent in the concepts, language, approaches, and limitations of the field and will also have the capability of developing an independent Bioinformatics research program.

27.11.2.3 Biology Admission Requirements and Application Procedures

27.11.2.3.1 Admission Requirements

Applicants must have a B.Sc. in a discipline relevant to the proposed field of study with an overall cumulative grade point average (CGPA) of 3.0/4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. Graduate Record Examination (GRE) scores are not required, but may be submitted. The Test of English as a Foreign Language (TOEFL) is required of applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone). A score of 550 on the paper-based TOEFL or 86 on the Internet-based test with each component score not less than 20 or 6.5 on IELTS is the minimum standard for admission. Specific programs may have additional requirements.

Admission is based on an evaluation by the Graduate Training Committee and on acceptance by a research director who can provide adequate funding for personal and research expenses. Prospective graduate students are encouraged to contact staff members with whom they wish to study before applying for admission.

27.11.2.3.2 Application Procedures

Application to the graduate program in Biology is made using an online web application form. A direct link to the online form can be found on the Biology Department website.

All applicants should read the academic faculty and admission procedure sections on the Biology Department website before completing the application form. These guidelines contain specific information on the application process, summaries of the research areas of staff, and contact information.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please select the appropriate program from the following website: www.mcgill.ca/gradapplicants/programs. If application materials are received after the dates for guaranteed consideration, review of the applicant’s file may be delayed until the following admittance period. All inquiries pertaining to admission procedures should be directed to the Graduate Admissions Secretary.

Note: Applications for Summer term admission will not be considered.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

27.11.2.4 Biology Faculty

Chair

Paul F. Lasko

Chair of Graduate Program

Laura Nilson

Emeritus Professors

A. Howard Bussey; B.Sc., Ph.D.(Brist.), F.R.S.C.
Robert L. Carroll; B.S.(Mich.), M.A., Ph.D.(Harv.), F.R.S.C.
Ronald Chase; A.B.(Stan.), Ph.D.(MIT)
Jacob Kalff; M.S.A.(Tor.), Ph.D.(Ind.)
Donald L. Kramer; B.Sc.(Boston Coll.), Ph.D.(Br. Col.)
John B. Lewis; B.Sc., M.Sc., Ph.D.(McG.)

Professors

Graham A.C. Bell; B.A., D.Phil.(Oxf.), F.R.S.C. (James McGill Professor)
Professors

Gregory G. Brown; B.Sc.(Notre Dame), Ph.D.(CUNY) (on sabbatical)
Lauren Chapman; B.Sc.(Alta.), Ph.D.(McG.)
Rajinder S. Dhindsa; B.Sc., M.Sc.(Punj.), Ph.D.(Wash.)
Siegfried Hekimi; M.Sc., Ph.D.(Geneva)
Paul F. Lasko; A.B.(Harv.), Ph.D.(MIT) (Molson Professor of Genetics) (Associate Member in Anatomy & Cell Biology)
Martin J. Lechowicz; B.A.(Mich. St.), M.S., Ph.D.(Wisc.) (on sabbatical)
Louis Lefebvre; B.Sc., M.A., Ph.D.(Montr.)
Michel Loreau; M.Sc., Ph.D.(Free Univ., Brussels) (on sabbatical)
Gerald S. Pollack; M.A., Ph.D.(Princ.)
Catherine Potvin; B.Sc., M.Sc.(Montr.), Ph.D.(Duke)
Neil M. Price; B.Sc.(New Br.), Ph.D.(Br. Col.)
Rima Rozen; B.Sc., Ph.D.(McG.) (James McGill Professor)
Daniel J. Schoen; B.Sc., M.Sc.(Mich.), Ph.D.(Calif.) (Macdonald Professor of Botany) (on sabbatical)

Associate Professors

Ehab Abouheif; M.Sc.(C'dia), Ph.D.(Duke) (on sabbatical)
Thomas E. Bureau; B.Sc.(Calif.), Ph.D.(Texas) (William Dawson Scholar)
Joseph A. Dent; B.Sc.(Mich.), Ph.D.(Col.)
François Fagotto; Ph.D.(Neuchâtel)
Gregor Fussmann; Dipl.(Berlin), Ph.D.(Max Planck Institute)
Andrew Gonzalez; B.Sc.(Nott.), Ph.D.(Imperial Coll., Lond.)
Frédéric Guichard; B.Sc.(Montr.), Ph.D.(Laval)
Paul Harrison; B.Sc.(NUI), Ph.D.(Lond.) (on sabbatical)
Andrew Hendry; B.Sc.(Vic., BC), M.Sc., Ph.D.(Wash.) (joint appt. with Redpath Museum)
Radiger Krahe; Dipl.(Alexander U.), Ph.D.(Humboldt) (on sabbatical)
Brian Leung; B.Sc.(Br. Col.), Ph.D.(Car.)
Robert L. Levine; B.Sc.(Brooklyn), M.Sc., Ph.D.(Yale)
Laura Nilson; B.A.(Colgate), Ph.D.(Yale)
Richard Roy; B.Sc.(Bishop's), Ph.D.(Laval)
Frieder Schoeck; Dipl.(Erhangen), Ph.D.(Max Planck Institute)
Jacalyn Vogel; M.Sc.(E. Ill.), Ph.D.(Kansas) (Canadian Pacific Chair in Biotechnology)
Tamara Western; B.Sc.(Dal.), Ph.D.(Br. Col.)
Monique Zetka; B.Sc., Ph.D.(Br. Col.)

Assistant Professors

Gary Brouhard; M.S.E., Ph.D.(Mich.)
David Dankort; B.Sc., Ph.D.(McM.)
Jonathan Davies; M.Sc.(Cape Town), Ph.D.(Imperial Coll., Lond.)
Irene Gregory-Eaves; B.Sc.(Vic., BC), M.Sc., Ph.D.(Qu.)
Nam-Sung Moon; B.Sc., Ph.D.(McG.)
Simon Reader; B.A.(Camb.), Ph.D.(Camb.)
Jon Sakata; B.A.(C'Nell), Ph.D.(Texas-Austin)
Assistant Professors
Alanna J. Watt; B.Sc.(C'dia), Ph.D.(Brandeis)
Sarah Woolley; B.Sc.(Duke), Ph.D.(Texas-Austin)
Hugo Zheng; M.Sc.(Helsinki), Ph.D.(Oxf. Brookes)

Associate Members
Anatomy and Cell Biology: Nathalie Lamarche, Craig Mandato
Anthropology: Colin Chapman
Biochemistry: Maxime Bouchard
Centre for Research in Neuroscience: Sal Carbonetto, Robert Dunn, Yong Rao, Donald Van Meyel
Dept. of Human Genetics, Chair: David Rosenblatt
MCH: Feige Kaplan
MNI: Kenneth Hastings, Stefano Stifani
RVH: Hugh J. Clarke, Daniel Dufont, Teruko Taketo
Redpath Museum: Claire de Mazancourt, David Green, Hans Larsson, Virginie Millien, Anthony Ricciardi
University of the West Indies: Judith Mendes

Adjunct Professors
IRCM: Michel Cayouette, Frédéric Charron, Artur Kania, Marie Kmita
NRC Lab: Malcolm S. Whiteway
STRI: Eldredge Bermingham, Rachel Collin, Hector Guzman, Edward Allen Herre, Haris Lessios, Mark Torchin
U. de Montréal: Pierre Drapeau, Louis St-Amant

27.11.2.5 Master of Science (M.Sc.); Biology (Thesis) (45 credits)

Thesis Courses (39 credits)
BIOL 697 (13) Master's Thesis Research 1
BIOL 698 (13) Master's Thesis Research 2
BIOL 699 (13) Master's Thesis Research 3

Complementary Courses (6 credits)
Two 3-credit courses, or equivalent, at the 500, 600, or 700 level in Biology or other departments, and approved by the Supervisory Committee.

27.11.2.6 Master of Science (M.Sc.); Biology (Thesis) — Environment (48 credits)

Thesis Courses (39 credits)
BIOL 697 (13) Master's Thesis Research 1
BIOL 698 (13) Master's Thesis Research 2
BIOL 699 (13) Master's Thesis Research 3

Required Courses (6 credits)
ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
ENVR 652 (1) Environmental Seminar 3
Complementary Courses (3 credits)
3 credits, one of the following courses:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
- ENVR 680 (3) Topics in Environment 4

or another graduate course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

27.11.2.7 Master of Science (M.Sc.); Biology (Thesis) — Neotropical Environment (48 credits)
Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Thesis Courses (39 credits)

- BIOL 697 (13) Master's Thesis Research 1
- BIOL 698 (13) Master's Thesis Research 2
- BIOL 699 (13) Master's Thesis Research 3

Required Courses (6 credits)

- BIOL 640 (3) Tropical Biology and Conservation
- ENVR 610 (3) Foundations of Environmental Policy

Elective Courses (3 credits)

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

27.11.2.8 Master of Science (M.Sc.); Biology (Thesis) — Bioinformatics (48 credits)

Thesis Courses (39 credits)

- BIOL 697 (13) Master's Thesis Research 1
- BIOL 698 (13) Master's Thesis Research 2
- BIOL 699 (13) Master's Thesis Research 3

Required Courses (3 credits)

- COMP 616D1 (1.5) Bioinformatics Seminar
- COMP 616D2 (1.5) Bioinformatics Seminar

Complementary Courses (6 credits)
6 credits from the following courses:

- BINF 621 (3) Bioinformatics: Molecular Biology
- BMDE 652 (3) Bioinformatics: Proteomics
BTEC 555 (3) Structural Bioinformatics
COMP 618 (3) Bioinformatics: Functional Genomics
PHGY 603 (3) Systems Biology and Biophysics

27.11.2.9 Doctor of Philosophy (Ph.D.); Biology

Thesis

Required Courses (6 credits)
BIOL 700 (0) Doctoral Qualifying Examination
BIOL 702 (6) Ph.D. Seminar

Complementary Courses (6 credits)
Two 3-credit courses, or equivalent, at the 500, 600, or 700 level in Biology or other departments, and approved by the Supervisory Committee.

27.11.2.10 Doctor of Philosophy (Ph.D.); Biology — Developmental Biology

Thesis

Required Courses (12 credits)
BIOL 520 (3) Gene Activity in Development
BIOL 532 (3) Developmental Neurobiology Seminar
BIOL 700 (0) Doctoral Qualifying Examination
BIOL 702 (6) Ph.D. Seminar

Complementary Course (3 credits)
One course chosen from the following:
BIOL 544 (3) Genetic Basis of Life Span
BIOL 569 (3) Developmental Evolution
BIOL 592 (3) Integrated Bioinformatics
EXMD 607 (3) Molecular Control of Cell Growth
EXMD 608 (3) Molecular Embryology
HGEN 692 (3) Human Genetics
NEUR 605 (3) Neuroscience Seminar 4

or another graduate course at the 500, 600, or 700 level chosen in consultation with the student's supervisor.

Additional courses may be required if the student's background is deemed insufficient.

27.11.2.11 Doctor of Philosophy (Ph.D.); Biology — Environment

Thesis

Required Courses (12 credits)
BIOL 700 (0) Doctoral Qualifying Examination
BIOL 702 (6) Ph.D. Seminar
ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
Complementary Course (3 credits)

One course chosen from the following:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
- ENVR 680 (3) Topics in Environment 4

or another graduate course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

27.11.2.12 Doctor of Philosophy (Ph.D.); Biology — Neotropical Environment

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Thesis

Required Courses (12 credits)

- BIOL 640 (3) Tropical Biology and Conservation
- BIOL 700 (0) Doctoral Qualifying Examination
- BIOL 702 (6) Ph.D. Seminar
- ENVR 610 (3) Foundations of Environmental Policy

Elective Courses (3 credits)

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

27.11.2.13 Doctor of Philosophy (Ph.D.); Biology — Bioinformatics

Thesis

Required Courses (9 credits)

- BIOL 700 (0) Doctoral Qualifying Examination
- BIOL 702 (6) Ph.D. Seminar
- COMP 616D1 (1.5) Bioinformatics Seminar
- COMP 616D2 (1.5) Bioinformatics Seminar

Complementary Courses (6 credits)

Two courses chosen from the following:

- BINF 621 (3) Bioinformatics: Molecular Biology
- BMDE 652 (3) Bioinformatics: Proteomics
- BTEC 555 (3) Structural Bioinformatics
- COMP 618 (3) Bioinformatics: Functional Genomics
- PHGY 603 (3) Systems Biology and Biophysics
27.11.3 Chemistry

27.11.3.1 Location

Department of Chemistry
Otto Maass Chemistry Building
801 Sherbrooke Street West
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-6999
Fax: 514-398-3797
Email: graduate.chemistry@mcgill.ca
Website: www.chemistry.mcgill.ca

27.11.3.2 About Chemistry

Research in Chemistry

Members of the Department are organized into various research themes. Some of the current research interests are listed below, and are presented in much more detail on the Departmental website at www.chemistry.mcgill.ca.

Analytical - Environmental

Analytical-Environmental research at McGill entails a wide range of exciting fundamental and applied research with focus on state-of-the-art instrumental development in spectroscopy, imaging, chemometric and analytical bio-spectroscopy, artificial intelligence, ultra trace sampling, state-of-the-art atmospheric kinetics and photochemistry, thermochemical, box and cloud modelling, as well as the development and application of state-of-the-art numerical models of the chemistry of the regional and global atmosphere. Our collective research has direct implications in fields such as materials, environmental, and biomedical chemistry.

Chemical Biology

The Chemical Biology Thematic Group is engaged in a diverse range of research topics which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and biophysical chemistry of living tissues. Among the themes which unite the research being performed in this group is trying to learn new chemistry and physics from biological systems.

We have projects relating to pharmacologically relevant enzymes such as those involved in drug metabolism and antibiotic resistance; development of therapeutic agents in the control of inflammation, cancer and viral infections; the chemical biology of NO; quantification of bioenergetic markers of metabolism; self-assembly mechanisms of the HIV-1 virion capsid; liposome microarray systems to address membrane protein dynamics and recognition; studies on reactive oxygen species translocation across the aqueous/lipid membrane interface; RNAi/antisense technologies; dynamic combinatorial chemistry; protein dynamics and function; mechanistic aspects involved in cellular adhesion and transport in membrane and zeolite channels; and cutting-edge microscopes used to examine transport, motility, and reactivity in cells.

Chemical Physics

The research interests of the members of the Chemical Physics Thematic group are diverse, with groups focusing on high-end laser and NMR spectroscopies, kinetics and modelling of atmospheric chemical reactions, experimental, and theoretical biophysical chemistry, polymers at interfaces, and statistical and quantum mechanics. In the field of biophysical chemistry, single molecule spectroscopy is being used to probe enzyme function as well as DNA recombination and repair. Our recent advances in image correlation spectroscopic techniques now allow researchers to precisely follow the macromolecular dynamics in living cells. In a similar vein, breakthrough ultra-fast electron diffraction experiments have opened the window to real time observation of the making and breaking of chemical bonds. State-of-the-art multi-pulse femtosecond spectroscopy experiments are being applied to interesting and technologically important new materials such as photonic crystals and quantum dot superlattices. A molecular-level picture of polymer dynamics and structure at surfaces and interfaces is being developed through theoretical modelling, high field solids NMR spectroscopy, electron microscopy, and other surface characterization methods.

In the area of atmospheric chemistry, the chemical transformation of the atmosphere is being modelled both experimentally and theoretically to understand how these processes are currently affecting and driving climate change. Finally, we have basic theory projects relating to the experimental work just described, as well as in transport and structure in complex colloidal or zeolite systems, protein dynamics, and fundamental issues in quantum and statistical mechanics.

Materials Chemistry

The Chemistry of Materials is a rapidly evolving domain of research. Materials Chemistry seeks to understand how composition, reactivity, and structure are related to function from a molecular perspective. The functionality of materials is expressed in a variety of areas including photonics, micro- and nano-electronics, biosystems, nanotechnology, drug delivery, catalysis, polymer science, molecular biology, and chemical and biological sensing. Activities of the Materials Chemistry Group are often broadly interdisciplinary. University-wide synergies among members of this group have led to the creation of the McGill Institute for Advanced Materials (MIAM) and the McGill Nanotools Facility. The latter comprises state-of-the-art micro/nanofabrication, atomic manipulation and high performance computing facilities. MIAM and members of the Chemistry Department have established research that links the Centre for Self Assembled Chemical Structures, the Centre for Biosensors and Biorecognition, the Centre for the Physics of Materials, and the Centre for Bone and Periodontal Research. Synthetic approaches to new materials include research in dendrimers, polynucleic acid architectures, polymers that conduct electrons or light and biopolymers. Polymer and colloid science figure prominently as does research and applications of the chemistry and physical properties of nanostructures. There is significant activity in understanding directed molecular assembly at interfaces and in the application of sophisticated spectroscopic tools to explore them.
Synthesis - Catalysis

The Synthesis/Catalysis Research Activity Group is a collective to develop the state-of-art catalysts, synthetic methodologies, reaction mechanisms, and synthetic routes for organic chemicals, natural products, and materials. The following are the major research activities at McGill: (1) Development of novel catalysts and catalytic reactions for highly efficient organic synthesis; Green Chemistry. This includes the study and discovery of novel transition-metal catalysts, biological catalysts, nano- and dendrimer-based catalysts for synthetic purposes; new chemical reactivity such as C-H activation, asymmetric catalysis and theory, multi-component reactions and combinatorial chemistry; innovative chemistry in alternative solvents such as water, sub-critical water, ionic liquids, and liquid CO2; photocatalytic reactions, reaction mechanisms, and physical organic chemistry; and computational chemistry. (2) Synthesis of biological compounds, organic materials, and natural products. Focus areas are total synthesis of natural products, synthesis of DNA and RNA analogues; synthesis of antiviral and anticancer nucleoside analogues, synthesis of amino acid and peptides; synthesis and study of carbohydrate derivatives; design, synthesis, and study of specialty organic chemical and materials.

section 27.11.3.5: Master of Science, Applied (M.Sc.A.); Chemistry (Non-Thesis) (45 credits)
(Not offered in 2011-2012)

section 27.11.3.6: Master of Science (M.Sc.); Chemistry (Thesis) (45 credits)
Please consult the Department for more information about this program.

section 27.11.3.7: Master of Science (M.Sc.); Chemistry (Thesis) — Chemical Biology (45 credits)
(Not offered in 2011-2012)

section 27.11.3.8: Doctor of Philosophy (Ph.D.); Chemistry
Please consult the Department for more information about this program.

section 27.11.3.9: Doctor of Philosophy (Ph.D.); Chemistry — Chemical Biology
(Not offered in 2011-2012)

27.11.3.3 Chemistry Admission Requirements and Application Procedures

27.11.3.3.1 Admission Requirements
The minimum academic standard for admission to research thesis degree programs is a minimum standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a CGPA of 3.2/4.0 for the last two full-time academic years. Applicants from other institutions should have an academic background equivalent to that of a McGill graduate in the Chemistry Honours/Major programs. If possible, candidates should specify the field of research in which they are interested.

27.11.3.3.2 Application Procedures

Dates for Guaranteed Consideration
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Note: We are not willing to consider any applications to be admitted for the Summer term.

All inquiries concerning graduate work in the Department should be addressed to the Director of Graduate Studies, Department of Chemistry.

FINANCIAL ASSISTANCE

M.Sc. and Ph.D. Degrees
Graduate students devote 12 hours per week (contact hours, plus grading of reports, etc.) during the academic session to their teaching duties. Financial assistance during the remainder of the year is provided from research funds. Scholarship holders, such as NSERC or awards of similar value, receive a tuition fee waiver.

27.11.3.4 Chemistry Faculty

Chair
R.B. Lennox

Director of Graduate Studies
N. Moitessier
Emeritus Professors

T.H. Chan; B.Sc.(Tor.), M.A., Ph.D.(Princ.), F.C.I.C., F.R.S.C.
A. Eisenberg; B.S.(Wor. Poly.), M.A., Ph.D.(Princ.), F.C.I.C.
B.C. Eu; B.Sc.(Seoul), Ph.D.(Brown)
D.F.R. Gilson; B.Sc.(Univ. Coll., Lond.), M.Sc., Ph.D.(Br. Col.)
J.F. Harrod; B.Sc., Ph.D.(Birm.), F.R.S.C.
A.S. Hay; B.Sc.(Alta.), Ph.D.(III.), F.R.S.
R.H. Marchessault; B.Sc.(Montr.), Ph.D.(McG.), F.C.I.C., F.R.S.C.
M.A. Whitehead; B.Sc., Ph.D., D.Sc.(Lond.), F.C.I.C.

Professors

B.A. Arndtsen; B.A.(Car.), Ph.D.(Stan.)
D.S. Bohle; B.A.(Reed), M.Phil., Ph.D.(Auck.)
D.H. Burns; B.Sc.(Puget Sound), Ph.D.(Wash.)
I.S. Butler; B.Sc., Ph.D.(Brist.), F.C.I.C.
M.J. Damha; B.Sc., Ph.D.(McG.), F.C.I.C.
D.G. Gray; B.Sc.(Belf.), M.Sc., Ph.D.(Manit.), F.C.I.C.
R.B. Lennox; B.Sc., M.Sc., Ph.D.(Tor.), F.C.I.C.
C.J. Li; B.Sc.(Zhengzhou), M.S.(Chin. Acad. Sci.), Ph.D.(McG.)
D.M. Ronis; B.Sc.(McG.), Ph.D.(MIT)
E.D. Salin; B.Sc.(Calif.), Ph.D.(Ore.), F.C.I.C.
B.C. Sanctuary; B.Sc., Ph.D.(Br. Col.)
H. Sleiman; B.Sc.(A.U.B.), Ph.D.(Stan.)
T.G.M. van de Ven; Kand. Doc.(Utrecht), Ph.D.(McG.)

Associate Professors

M.P. Andrews; B.Sc., M.Sc., Ph.D.(Tor.)
P. Ariya; B.Sc., Ph.D.(York)
K. Auclair; B.Sc.(UQAC), Ph.D.(Alta.)
C.J. Barrett; B.Sc., M.Sc., Ph.D.(Qu.)
W.C. Galley; B.Sc.(McG.), Ph.D.(Calif.)
J.L. Gleason; B.Sc.(McG.), Ph.D.(Virg.)
A. Kakkar; B.Sc., M.Sc.(Chan. U., India), Ph.D.(Wat.)
P. Kambhampati; B.A.(Car. Coll.), Ph.D.(Texas)
D. Perepichka; B.Sc.(Donetsk St. U, Ukraine), Ph.D.(Nat. Aca. Sci., Ukraine)
J.F. Power; B.Sc., Ph.D.(C'dia)
L. Reven; B.A.(Car.), Ph.D.(Ill.)
Y.S. Tsantrizos; B.Sc., M.Sc., Ph.D.(McG.)
P. Wiseman; B.Sc.(St. FX), Ph.D.(W. Ont.)

Assistant Professors

A.S. Blum; B.A.(Princ.), Ph.D.(Wash.)
M. Bourqui; B.Sc.(EPF Lausanne), Ph.D.(ETH Zürich)
Assistant Professors
G. Cosa; B.Sc.(Argentina), Ph.D.(Ott.)
A. Mittermaier; B.Sc./Guelph), Ph.D.(Tor.)
A. Moores; B.Sc., Ph.D.(École Polytechnique, Paris)
B. Siwick; B.A.Sc. Eng. Sci., M.Sc., Ph.D(Tor.)

Associate Members
J.A. Finch (Mining, Metals and Materials Engineering), P. Grütter (Physics), O.A. Mamer (University Clinic, RVH), R. Schirrmacher (MNI)

Adjunct Professors

27.11.3.5 Master of Science, Applied (M.Sc.A.); Chemistry (Non-Thesis) (45 credits)
(Not offered in 2011-2012)

Research Project (15 credits)
CHEM 699 (15) Project

Complementary Courses (30 credits)
15 credits, five 3-credit CHEM courses at the 500, 600, or 700 level.
15 credits, five 3-credit courses at the 500, 600, or 700 level selected in consultation with the Adviser.

27.11.3.6 Master of Science (M.Sc.); Chemistry (Thesis) (45 credits)

Thesis Courses
(24-31 credits)
At least 24 credits chosen from the following:

CHEM 691 (3) M.Sc. Thesis Research 1
CHEM 692 (6) M.Sc. Thesis Research 2
CHEM 693 (9) M.Sc. Thesis Research 3
CHEM 694 (12) M.Sc. Thesis Research 4
CHEM 695 (15) M.Sc. Thesis Research 5
CHEM 696 (6) M.Sc. Thesis Research 6
CHEM 697 (9) M.Sc. Thesis Research 7
CHEM 698 (12) M.Sc. Thesis Research 8

Required Courses
(5 credits)
CHEM 650 (1) Seminars in Chemistry 1
CHEM 651 (1) Seminars in Chemistry 2
CHEM 688 (3) Assessment

Complementary Courses
(9-16 credits)
Students will normally take 9-16 credits of CHEM (or approved) courses at the 500 or 600 level.
27.11.3.7 Master of Science (M.Sc.); Chemistry (Thesis) — Chemical Biology (45 credits)
(Not offered in 2011-2012)

Thesis Courses (24 credits)
(minimum 24 credits)
At least 24 credits chosen from the following:

- CHEM 691 (3) M.Sc. Thesis Research 1
- CHEM 692 (6) M.Sc. Thesis Research 2
- CHEM 693 (9) M.Sc. Thesis Research 3
- CHEM 694 (12) M.Sc. Thesis Research 4
- CHEM 695 (15) M.Sc. Thesis Research 5
- CHEM 696 (6) M.Sc. Thesis Research 6
- CHEM 697 (9) M.Sc. Thesis Research 7
- CHEM 698 (12) M.Sc. Thesis Research 8

Required Courses (5 credits)

- CHEM 650 (1) Seminars in Chemistry 1
- CHEM 651 (1) Seminars in Chemistry 2
- CHEM 688 (3) Assessment

Complementary Courses (11 credits)
(minimum 11 credits)

2 credits, two of the following courses:

- BIOC 610 (1) Seminars in Chemical Biology 1
- BIOC 611 (1) Seminars in Chemical Biology 3
- BIOC 689 (1) Seminars in Chemical Biology 2
- BIOC 690 (1) Seminars in Chemical Biology 4

Students will take at least three courses from the following list, including at least 3 credits from the first two courses listed below:

Note: Students can take either CHEM 503 or PHAR 503, CHEM 504 or PHAR 504.

- BIOC 603 (3) Genomics and Gene Expression
- BIOC 604 (3) Macromolecular Structure
- CHEM 502 (3) Advanced Bio-Organic Chemistry
- CHEM 503 (3) Drug Design and Development 1
- CHEM 504 (3) Drug Design and Development 2
- CHEM 514 (3) Biophysical Chemistry
- CHEM 522 (3) Stereochemistry
- CHEM 591 (3) Bioinorganic Chemistry
- CHEM 621 (5) Reaction Mechanisms in Organic Chemistry
- CHEM 629 (5) Organic Synthesis
- CHEM 655 (4) Advanced NMR Spectroscopy
The remaining credits may be graduate-level courses approved by the Department.

**27.11.3.8 Doctor of Philosophy (Ph.D.); Chemistry**

**Thesis**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 650</td>
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<td>Seminars in Chemistry 1</td>
</tr>
<tr>
<td>CHEM 651</td>
<td>1</td>
<td>Seminars in Chemistry 2</td>
</tr>
<tr>
<td>CHEM 688</td>
<td>3</td>
<td>Assessment</td>
</tr>
<tr>
<td>CHEM 701</td>
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<td>Comprehensive Examination 1</td>
</tr>
<tr>
<td>CHEM 702</td>
<td>0</td>
<td>Comprehensive Examination 2</td>
</tr>
</tbody>
</table>

**Complementary Courses**

Students entering the program with an M.Sc. degree will normally take three (3) graduate-level courses. Students entering without an M.Sc. degree will normally take five (5) graduate-level courses. Students may be required to take advanced undergraduate courses if background deficient.

**27.11.3.9 Doctor of Philosophy (Ph.D.); Chemical Biology**

(Not offered in 2011-2012)

**Thesis**

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 610</td>
<td>1</td>
<td>Seminars in Chemical Biology 1</td>
</tr>
<tr>
<td>BIOC 611</td>
<td>1</td>
<td>Seminars in Chemical Biology 3</td>
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<tr>
<td>BIOC 689</td>
<td>1</td>
<td>Seminars in Chemical Biology 2</td>
</tr>
<tr>
<td>BIOC 690</td>
<td>1</td>
<td>Seminars in Chemical Biology 4</td>
</tr>
<tr>
<td>CHEM 650</td>
<td>1</td>
<td>Seminars in Chemistry 1</td>
</tr>
<tr>
<td>CHEM 651</td>
<td>1</td>
<td>Seminars in Chemistry 2</td>
</tr>
<tr>
<td>CHEM 688</td>
<td>3</td>
<td>Assessment</td>
</tr>
<tr>
<td>CHEM 701</td>
<td>0</td>
<td>Comprehensive Examination 1</td>
</tr>
<tr>
<td>CHEM 702</td>
<td>0</td>
<td>Comprehensive Examination 2</td>
</tr>
</tbody>
</table>

**Complementary Courses**

Students entering the program with an M.Sc. degree will normally take three (3) graduate-level courses. Students entering without an M.Sc. degree will normally take five (5) graduate-level courses. At least three courses must be from the following list, including at least 3 credits from the first two courses listed below.

Note: Students can take either CHEM 503 or PHAR 503, CHEM 504 or PHAR 504.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 603</td>
<td>3</td>
<td>Genomics and Gene Expression</td>
</tr>
<tr>
<td>BIOC 604</td>
<td>3</td>
<td>Macromolecular Structure</td>
</tr>
<tr>
<td>CHEM 502</td>
<td>3</td>
<td>Advanced Bio-Organic Chemistry</td>
</tr>
</tbody>
</table>
The remaining credits may be 500-, 600-, or 700-level courses approved by the Department.

27.11.4 Computer Science

27.11.4.1 Location

School of Computer Science
McConnell Engineering, Room 318
3480 University Street
Montreal, QC H3A 2A7
Canada

Telephone: 514-398-7071 ext. 00074
Fax: 514-398-3883
Email: grad.cs@mcgill.ca
Website: www.cs.mcgill.ca

27.11.4.2 About Computer Science

The School of Computer Science is one of the leading teaching and research centres for computer science in Canada. We offer a Ph.D. program and several M.Sc. programs. All include coursework and research. In the basic M.Sc. programs students must choose between the thesis option and the non-thesis option, which requires a project. The Ph.D. program includes an option in bioinformatics and the thesis M.Sc. program includes options in bioinformatics and in Computational Science and Engineering. Students are normally funded by their adviser's research grants; in the case of scholarship students, this typically takes the form of a 'top-up' to the scholarship. Research in the School covers a broad range of areas, including: **Theory**: algorithms, combinatorial optimization, computational geometry, cryptography, graph theory, logic and computation, programming languages, quantum computing, theory of computation, and scientific computing; **Systems**: compilers, computer games, distributed systems, embedded and real-time systems, modelling and simulations, networks, software engineering; **Applications**: bioinformatics, machine learning, robotics, computer animation, graphics, and vision.

All students must consult the graduate program website [www.cs.mcgill.ca](http://www.cs.mcgill.ca), where up-to-date information about the graduate program is posted. Any questions concerning the program should be addressed to the Graduate Coordinator.

section 27.11.4.5: Master of Science (M.Sc.); Computer Science (Thesis) (45 credits)

This program is designed for students with a strong interest in research in computer science who hold at least the equivalent of a undergraduate minor in CS. This program combines a strong course component with a research thesis. It is the usual (but not mandatory) entry point for students who wish to do a Ph.D., but is also the program of choice for students who want to find challenging and exciting jobs after their Master's.

section 27.11.4.6: Master of Science (M.Sc.); Computer Science (Thesis) — Computational Science and Engineering (45 credits)

This program option is to train graduates in state-of-the-art applications of numerical and modelling methods and computer technology to scientific and engineering problems. CSE is a rapidly growing multidisciplinary area with connections to the sciences, engineering, mathematics, and computer science.
section 27.11.4.7: Master of Science (M.Sc.); Computer Science (Thesis) — Bioinformatics (45 credits)

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

section 27.11.4.8: Master of Science (M.Sc.); Computer Science (Non-Thesis) (45 credits)

This program is designed for students who want to obtain broad knowledge of advanced topics in computer science but without the requirement of a thesis. It offers an excellent preparation for the job market, but is not recommended for students interested in eventually pursuing a Ph.D.

section 27.11.4.9: Doctor of Philosophy (Ph.D.); Computer Science

The Ph.D. program trains students to become strong, independent researchers in the field of their choice. Our graduates take challenging positions in industry or take academic positions at universities and research labs. In order to apply to the Ph.D. program, normally applicants should hold a Master's degree in Computer Science or a closely related area, from a well-recognized university, but exceptional students can be admitted to the Ph.D. program directly without a master's degree.

section 27.11.4.10: Doctor of Philosophy (Ph.D.); Computer Science — Bioinformatics

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modeling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

27.11.4.3 Computer Science Admission Requirements and Application Procedures

27.11.4.3.1 Admission Requirements

Master’s (M.Sc.)

The minimum requirement for admission is a bachelor's degree (CGPA 3.2 or better, or equivalent) with the coursework in Computer Science indicated in the brochure “Information for Applicants to Graduate Programs”.

The brochure supplements information in this publication and should be consulted by all graduate students.

Ph.D.

In order to apply to the Ph.D. program, normally applicants should hold an M.Sc. degree in Computer Science or a closely related area, from a well-recognized university. Students who hold a B.Sc. degree in Computer Science but have an exceptionally strong academic record may be admitted directly to the Ph.D. program, but they must initially apply to the M.Sc. program. Students who are in the M.Sc. program have the option to be fast-tracked into the Ph.D. program at the end of their first academic year contingent on excellent performance as judged by the Ph.D. committee.

27.11.4.3.2 Application Procedures

Applications will be considered upon receipt of:

1. application form;
2. original or certified copies of transcripts;
3. two letters of reference;
4. $100 application fee;
5. test results (GRE, TOEFL).

All information is to be submitted directly to the Graduate Coordinator.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. Application documents are also available on our website, www.cs.mcgill.ca/academic/prospectivestudents/applying/applying.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

Deadline: January 1st if applicant wishes to be considered for scholarship awards or otherwise March 1st for admission to the Fall term.

27.11.4.4 Computer Science Faculty

Director

Gregory Dudek
### Emeritus Professors

- R. De Mori; Ph.D.(Politecnico di Torino)
- T.H. Merrett; B.Sc.(Qu.), D.Phil.(Oxf.)
- M.M. Newborn; B.E.E.(Rensselaer Poly.), Ph.D.(Ohio St.), F.A.C.M.
- C. Paige; B.Sc., B.Eng.(Syd.), Ph.D.(Lond.)
- G.F.G. Ratzer; B.Sc.(Glas.), M.Sc.(McG.)
- G.T. Toussaint; B.Sc.(Tulsa), Ph.D.(Br. Col.)

### Professors

- D. Avis; B.Sc.(Wat.), Ph.D.(Stan.)
- L. Devroye; M.S.(Louvain), Ph.D.(Texas) (*James McGill Professor*)
- G. Dudek; B.Sc.(Qu.), M.Sc., Ph.D.(Tor.) (*James McGill Professor*)
- L. Hendren; B.Sc., M.Sc.(Qu.), Ph.D.(C'nell)
- P. Panangaden; M.Sc.(IIT, Kanpur), M.S.(Chic.), Ph.D.(Wisc.)
- B. Reed; B.Sc., Ph.D.(McG.) (*Canada Research Chair*)
- G. Dudek; B.Sc.(Lafayette), M.Sc., Ph.D.(Brown) (*William Dawson Chair*)
- D. Thérien; B.Sc.(Montr.), M.Sc., Ph.D.(Wat.) (*James McGill Professor*)

### Associate Professors

- M. Blanchette; B.Sc., M.Sc.(Montr.), Ph.D.(Wash.)
- X.W. Chang; B.Sc., M.Sc.(Nanjing), Ph.D.(McG.)
- C. Crépeau; B.Sc., M.Sc.(Montr.), Ph.D.(MIT)
- N. Friedman; B.A.(W. Ont.), Ph.D.(Tor.)
- M.T. Hallett; B.Sc.(Qu.), Ph.D.(Vic., BC)
- P. Hayden; B.Sc.(McG.), Ph.D.(Oxf.)
- B. Kemme; B.Sc., M.Sc.(U. of Erlangen-Nuremberg, Germany), Ph.D.(ETH, Zurich)
- J. Kienzle; Eng.Dip., Ph.D.(Swiss Fed. IT)
- M. Langer; B.Sc.(McG.), M.Sc.(Tor.), Ph.D.(McG.)
- X. Liu; B.Sc., M.Sc.(Tsinghua), Ph.D.(Ill.)
- M. Maheswaram; B.Sc.(U. Peradeniya), M.Sc., Ph.D.(Purdue)
- B. Pientka; B.Sc., M.Sc.(Tech. U. of Darmstadt, Germany), Ph.D.(Carn. Mell)
- J. Pineau; B.Sc.(Wat.), M.Sc., Ph.D.(Carn. Mell)
- D. Precup; B.Sc.(Tech. U. of Cluj-Napoca), M.Sc., Ph.D.(Mass.)
- M. Robillard; B.Eng.(École Poly., Montr.), M.Sc., Ph.D.(Br. Col.)
- C. Tropper; B.Sc.(McG.), Ph.D.(Brooklyn Poly.)
- H. Vangheluwe; B.Sc., M.Sc., D.Sc.(Ghent, Belgium)
- C. Verbrugge; B.A.(Qu.), Ph.D.(McG.)
- A. Vetta; B.Sc., M.Sc.(LSE), Ph.D.(MIT)

### Assistant Professors

- H. Hatami; B.Sc.(Sharif), M.Sc., Ph.D.(Tor.)
- P. Kry; B.Sc.(Wat.), M.Sc., Ph.D.(Br. Col.)
- D. Ruths; B.Sc., M.Sc., Ph.D.(Rice)
- M. Singh; B.Sc., M.Sc.(IIT), Ph.D., ACO(Carn. Mell)
Assistant Professors
J. Waldispuhl; B.Sc.(Nice & Sophia-Antipolis), M.Sc.(Paris VII), Ph.D.(École Poly., France)

Faculty Lecturer
J. Vybihal; B.Sc., M.Sc.(McG.)

Associate Members
D.J. Levitin (Psychology)
D. Schlimm (Philosophy)
R. Sengupta (Geography)
B.F. Shepherd (Mathematics & Statistics)
T.R. Shultz (Psychology)
R. Sieber (Geography)

Adjunct Professors

27.11.4.5 Master of Science (M.Sc.); Computer Science (Thesis) (45 credits)

Thesis Courses (24 credits)
24 credits selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 691</td>
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<tr>
<td>COMP 696</td>
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<td>COMP 697</td>
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<tr>
<td>COMP 698</td>
<td>(9)</td>
</tr>
<tr>
<td>COMP 699</td>
<td>(15)</td>
</tr>
</tbody>
</table>

Thesis Research 1 (2)
Thesis Research 2 (3)
Thesis Research 3 (4)
Thesis Research 4 (9)
Thesis Research 5 (15)

Complementary Courses (21 credits)
At least 21 credits of 500-, 600-, or 700-level COMP courses, including at least 12 credits of 4-credit courses.
Note: Students with an appropriate background can substitute 3 credits by COMP 696 and 4 credits by COMP 697.

27.11.4.6 Master of Science (M.Sc.); Computer Science (Thesis) — Computational Science and Engineering (45 credits)

Thesis Courses (24 credits)
24 credits selected from:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 691</td>
<td>(2)</td>
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<tr>
<td>COMP 696</td>
<td>(3)</td>
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<td>COMP 697</td>
<td>(4)</td>
</tr>
<tr>
<td>COMP 698</td>
<td>(9)</td>
</tr>
<tr>
<td>COMP 699</td>
<td>(15)</td>
</tr>
</tbody>
</table>

Thesis Research 1 (2)
Thesis Research 2 (3)
Thesis Research 3 (4)
Thesis Research 4 (9)
Thesis Research 5 (15)

Required Courses
One credit selected as follow:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>COMP 669D1</td>
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</tr>
<tr>
<td>COMP 669D2</td>
<td>(.5)</td>
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</tbody>
</table>

Computational Science Engineering Seminar
**Complementary Courses**

(minimum 21 credits)

Two courses from List A, two courses from List B, and the remaining credits to be chosen from graduate (500-, 600-, or 700-level) courses in the School of Computer Science. Two complementary courses must be taken outside the School of Computer Science.

Note: Students with an appropriate background can substitute 3 credits by COMP 696 and 4 credits by COMP 697, but still need to take 6-8 credits from List A and 6-8 credits from List B.

**List A: Scientific Computing Courses:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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<tbody>
<tr>
<td>CIVE 602</td>
<td>(4)</td>
<td>Finite Element Analysis</td>
</tr>
<tr>
<td>COMP 522</td>
<td>(4)</td>
<td>Modelling and Simulation</td>
</tr>
<tr>
<td>COMP 540</td>
<td>(3)</td>
<td>Matrix Computations</td>
</tr>
<tr>
<td>COMP 566</td>
<td>(3)</td>
<td>Discrete Optimization 1</td>
</tr>
<tr>
<td>MATH 578</td>
<td>(4)</td>
<td>Numerical Analysis 1</td>
</tr>
<tr>
<td>MATH 579</td>
<td>(4)</td>
<td>Numerical Differential Equations</td>
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**List B: Application and Specialized Methods Courses:**

<table>
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<th>Course</th>
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<tbody>
<tr>
<td>ATOC 512</td>
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<td>Atmospheric and Oceanic Dynamics</td>
</tr>
<tr>
<td>ATOC 513</td>
<td>(3)</td>
<td>Waves and Stability</td>
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<tr>
<td>ATOC 515</td>
<td>(3)</td>
<td>Turbulence in Atmosphere and Oceans</td>
</tr>
<tr>
<td>CIVE 572</td>
<td>(3)</td>
<td>Computational Hydraulics</td>
</tr>
<tr>
<td>CIVE 603</td>
<td>(4)</td>
<td>Structural Dynamics</td>
</tr>
<tr>
<td>CIVE 613</td>
<td>(4)</td>
<td>Numerical Methods: Structural Engineering</td>
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<tr>
<td>COMP 505</td>
<td>(3)</td>
<td>Advanced Computer Architecture</td>
</tr>
<tr>
<td>COMP 557</td>
<td>(3)</td>
<td>Fundamentals of Computer Graphics</td>
</tr>
<tr>
<td>COMP 558</td>
<td>(3)</td>
<td>Fundamentals of Computer Vision</td>
</tr>
<tr>
<td>COMP 567</td>
<td>(3)</td>
<td>Discrete Optimization 2</td>
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<tr>
<td>COMP 621</td>
<td>(4)</td>
<td>Program Analysis and Transformations</td>
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<td>COMP 642</td>
<td>(4)</td>
<td>Numerical Estimation Methods</td>
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<tr>
<td>COMP 767</td>
<td>(4)</td>
<td>Advanced Topics: Applications 2</td>
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<tr>
<td>ECSE 507</td>
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<td>Optimization and Optimal Control</td>
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<tr>
<td>ECSE 532</td>
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<td>Computer Graphics</td>
</tr>
<tr>
<td>ECSE 547</td>
<td>(3)</td>
<td>Finite Elements in Electrical Engineering</td>
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<td>ECSE 549</td>
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<td>Expert Systems in Electrical Design</td>
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<td>MATH 555</td>
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<td>Asymptotic Expansion and Perturbation Methods</td>
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<td>MATH 761</td>
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<td>Topics in Applied Mathematics 1</td>
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<td>High-Speed Aerodynamics</td>
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<td>MECH 541</td>
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<td>Kinematic Synthesis</td>
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<tr>
<td>MECH 545</td>
<td>(3)</td>
<td>Advanced Stress Analysis</td>
</tr>
<tr>
<td>Course Code</td>
<td>Credits</td>
<td>Course Name</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>MECH 572</td>
<td>(3)</td>
<td>Introduction to Robotics</td>
</tr>
<tr>
<td>MECH 573</td>
<td>(3)</td>
<td>Mechanics of Robotic Systems</td>
</tr>
<tr>
<td>MECH 576</td>
<td>(3)</td>
<td>Geometry in Mechanics</td>
</tr>
<tr>
<td>MECH 577</td>
<td>(3)</td>
<td>Optimum Design</td>
</tr>
<tr>
<td>MECH 610</td>
<td>(4)</td>
<td>Fundamentals of Fluid Dynamics</td>
</tr>
<tr>
<td>MECH 620</td>
<td>(4)</td>
<td>Advanced Computational Aerodynamics</td>
</tr>
<tr>
<td>MECH 632</td>
<td>(4)</td>
<td>Theory of Elasticity</td>
</tr>
<tr>
<td>MECH 642</td>
<td>(4)</td>
<td>Advanced Dynamics</td>
</tr>
<tr>
<td>MECH 650</td>
<td>(4)</td>
<td>Fundamentals of Heat Transfer</td>
</tr>
<tr>
<td>MECH 654</td>
<td>(4)</td>
<td>Compt. Fluid Flow and Heat Transfer</td>
</tr>
</tbody>
</table>

### 27.11.4.7 Master of Science (M.Sc.); Computer Science (Thesis) — Bioinformatics (45 credits)

**Thesis Courses (24 credits)**

24 credits selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 691</td>
<td>(2)</td>
<td>Thesis Research 1</td>
</tr>
<tr>
<td>COMP 696</td>
<td>(3)</td>
<td>Thesis Research 2</td>
</tr>
<tr>
<td>COMP 697</td>
<td>(4)</td>
<td>Thesis Research 3</td>
</tr>
<tr>
<td>COMP 698</td>
<td>(9)</td>
<td>Thesis Research 4</td>
</tr>
<tr>
<td>COMP 699</td>
<td>(15)</td>
<td>Thesis Research 5</td>
</tr>
</tbody>
</table>

**Required Courses (3 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>(1.5)</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>(1.5)</td>
<td>Bioinformatics Seminar</td>
</tr>
</tbody>
</table>

**Complementary Courses (18 credits)**

6 credits chosen from the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>(3)</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>(3)</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>BTEC 555</td>
<td>(3)</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>(3)</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>(3)</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

12 credits of 4-credit courses chosen from 500-, 600-, or 700-level Computer Science courses in consultation with the candidate’s supervisor.

Note: Students with an appropriate background can substitute 4 credits by COMP 697.

### 27.11.4.8 Master of Science (M.Sc.); Computer Science (Non-Thesis) (45 credits)

**Research Project (15 credits)**

15 credits selected as follows:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 693</td>
<td>(3)</td>
<td>Research Project 1</td>
</tr>
<tr>
<td>COMP 694</td>
<td>(6)</td>
<td>Research Project 2</td>
</tr>
<tr>
<td>COMP 695</td>
<td>(6)</td>
<td>Research Project 3</td>
</tr>
</tbody>
</table>
Complementary Courses (30 credits)
30 credits of 500-, 600-, or 700-level COMP courses.

27.11.4.9 Doctor of Philosophy (Ph.D.); Computer Science
Required coursework: Students must take eight graduate courses, of which at least five are computer science courses. These courses should be chosen by the student in consultation with the supervisor (or co-supervisor) and the Progress Committee.

Thesis
Required Courses
COMP 700 (0) Ph.D. Comprehensive Examination
COMP 701 (3) Thesis Proposal and Area Examination

Complementary Courses
18-24 credits selected from:

Category A: Theory and Applications
COMP 506 (3) Advanced Analysis of Algorithms
COMP 507 (3) Computational Geometry
COMP 523 (3) Language-based Security
COMP 524 (3) Theoretical Foundations of Programming Languages
COMP 525 (3) Formal Verification
COMP 531 (3) Theory of Computation
COMP 540 (3) Matrix Computations
COMP 547 (4) Cryptography and Data Security
COMP 552 (4) Combinatorial Optimization
COMP 554 (4) Approximation Algorithms
COMP 560 (3) Graph Algorithms and Applications
COMP 561 (4) Computational Biology Methods and Research
COMP 563 (3) Molecular Evolution Theory
COMP 564 (3) Computational Gene Regulation
COMP 566 (3) Discrete Optimization 1
COMP 567 (3) Discrete Optimization 2
COMP 598 (3) Topics in Computer Science 1
COMP 599 (3) Topics in Computer Science 2
COMP 610 (4) Information Structures 1
COMP 618 (3) Bioinformatics: Functional Genomics
COMP 623 (4) Concurrent Programming Languages
COMP 627 (4) Theoretical Programming Languages
COMP 642 (4) Numerical Estimation Methods
COMP 647 (4) Advanced Cryptography
COMP 648 (4) Motion Planning and Robotics
COMP 649 (4) Quantum Cryptography
COMP 680 (4) Mining Biological Sequences
COMP 690 (4) Probabilistic Analysis of Algorithms
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 760</td>
<td>(4)</td>
<td>Advanced Topics Theory 1</td>
</tr>
<tr>
<td>COMP 761</td>
<td>(4)</td>
<td>Advanced Topics Theory 2</td>
</tr>
</tbody>
</table>

**Category B: Systems and Applications**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 512</td>
<td>(4)</td>
<td>Distributed Systems</td>
</tr>
<tr>
<td>COMP 520</td>
<td>(4)</td>
<td>Compiler Design</td>
</tr>
<tr>
<td>COMP 521</td>
<td>(4)</td>
<td>Modern Computer Games</td>
</tr>
<tr>
<td>COMP 522</td>
<td>(4)</td>
<td>Modelling and Simulation</td>
</tr>
<tr>
<td>COMP 526</td>
<td>(3)</td>
<td>Probabilistic Reasoning and AI</td>
</tr>
<tr>
<td>COMP 529</td>
<td>(4)</td>
<td>Software Architecture</td>
</tr>
<tr>
<td>COMP 533</td>
<td>(3)</td>
<td>Object-Oriented Software Development</td>
</tr>
<tr>
<td>COMP 535</td>
<td>(3)</td>
<td>Computer Networks 1</td>
</tr>
<tr>
<td>COMP 557</td>
<td>(3)</td>
<td>Fundamentals of Computer Graphics</td>
</tr>
<tr>
<td>COMP 558</td>
<td>(3)</td>
<td>Fundamentals of Computer Vision</td>
</tr>
<tr>
<td>COMP 575</td>
<td>(3)</td>
<td>Fundamentals of Distributed Algorithms</td>
</tr>
<tr>
<td>COMP 577</td>
<td>(3)</td>
<td>Distributed Database Systems</td>
</tr>
<tr>
<td>COMP 598</td>
<td>(3)</td>
<td>Topics in Computer Science 1</td>
</tr>
<tr>
<td>COMP 599</td>
<td>(3)</td>
<td>Topics in Computer Science 2</td>
</tr>
<tr>
<td>COMP 612</td>
<td>(4)</td>
<td>Database Programming Principles</td>
</tr>
<tr>
<td>COMP 614</td>
<td>(4)</td>
<td>Distributed Data Management</td>
</tr>
<tr>
<td>COMP 617</td>
<td>(4)</td>
<td>Information Systems</td>
</tr>
<tr>
<td>COMP 621</td>
<td>(4)</td>
<td>Program Analysis and Transformations</td>
</tr>
<tr>
<td>COMP 644</td>
<td>(4)</td>
<td>Pattern Recognition</td>
</tr>
<tr>
<td>COMP 646</td>
<td>(4)</td>
<td>Computational Perception</td>
</tr>
<tr>
<td>COMP 652</td>
<td>(4)</td>
<td>Machine Learning</td>
</tr>
<tr>
<td>COMP 655</td>
<td>(4)</td>
<td>Distributed Simulation</td>
</tr>
<tr>
<td>COMP 656</td>
<td>(4)</td>
<td>Run-Time Language Support</td>
</tr>
<tr>
<td>COMP 667</td>
<td>(4)</td>
<td>Software Fault Tolerance</td>
</tr>
<tr>
<td>COMP 762</td>
<td>(4)</td>
<td>Advanced Topics Programming 1</td>
</tr>
<tr>
<td>COMP 763</td>
<td>(4)</td>
<td>Advanced Topics Programming 2</td>
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<tr>
<td>COMP 764</td>
<td>(4)</td>
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<td>(4)</td>
<td>Advanced Topics Systems 2</td>
</tr>
<tr>
<td>COMP 766</td>
<td>(4)</td>
<td>Advanced Topics Applications 1</td>
</tr>
<tr>
<td>COMP 767</td>
<td>(4)</td>
<td>Advanced Topics: Applications 2</td>
</tr>
</tbody>
</table>

Note: Each year the Ph.D. Committee will determine which category COMP 598 and COMP 599 belong to according to the subjects taught in those courses.

**27.11.4.10 Doctor of Philosophy (Ph.D.); Computer Science — Bioinformatics**

**Thesis**

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>(1.5)</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>(1.5)</td>
<td>Bioinformatics Seminar</td>
</tr>
</tbody>
</table>
Complementary Courses

Two courses chosen from the following:

- BINF 621 (3) Bioinformatics: Molecular Biology
- BMDE 652 (3) Bioinformatics: Proteomics
- BTEC 555 (3) Structural Bioinformatics
- COMP 618 (3) Bioinformatics: Functional Genomics
- PHGY 603 (3) Systems Biology and Biophysics

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee. Students who have completed the M.Sc.-level option in Bioinformatics must complete 6 credits of complementary courses not taken in the master's program.

27.11.5 Earth and Planetary Sciences

27.11.5.1 Location

Department of Earth and Planetary Sciences
Frank Dawson Adams Building
3450 University Street
Montreal, QC H3A 2A7
Canada

Telephone: 514-398-6767
Fax: 514-398-4680
Email: gradinquiry@eps.mcgill.ca
Website: www.eps.mcgill.ca

27.11.5.2 About Earth and Planetary Sciences

The Department of Earth and Planetary Sciences offers both M.Sc. and Ph.D. degree programs. Graduate programs are based on research, although some courses are required to build the backgrounds of students. Research in the Department is wide-ranging. It includes studies of the geochemistry of the mantle, the nature of processes concentrating metals in hydrothermal mineral deposits, experimental studies of the controls of viscosity in magmas and the mechanisms of volcanic eruption, the fixation of mercury in marine sediments, the nature of changes in atmospheric chemistry in the early and late Precambrian, mechanisms of faulting, the evolution of topography during orogenesis, wetland hydrogeology, and planetary-scale ocean biogeochemistry and its relationship to global warming. There is a very substantial interdisciplinary basis to much of the research.

Facilities in the Department include low-temperature and pressure to high-temperature and pressure experimental laboratories, a stable-isotope mass spectrometer, XRF, laser-ablation ICP-MS, and electron microprobe, as well as atomic absorption spectrometers. Our students also make substantial use of other facilities at McGill and at nearby Université du Québec à Montréal.

Financial assistance is available in the form of teaching assistantships, research assistantships, and scholarships.

Areas of Research

Aquatic Geochemistry
Application of chemical thermodynamics, kinetics, and surface chemistry to the characterization of mineral-solution interactions in aquatic environments, carbonate geochemistry, early diagenesis of marine and coastal sediments, trace metal and environmental geochemistry in freshwater and marine systems.

Biominalization
Investigation of process occurring at the interface between inorganic and organic phases leading to the nucleation and growth of crystals in both natural and synthetic systems. Pathogenic mineralization and calcification in mammalian cells and tissues. Investigating biomarkers as signatures of ancient biological activity in terrestrial and extraterrestrial materials.

Economic Geology
Studies of the genesis of hydrothermal mineral deposits through a combination of field-based, experimental, and theoretical methods. Research focuses on the understanding of physico-chemical controls of mineralization, through geological mapping of deposits, experimental studies of metal solubility and speciation in hydrothermal systems, simulations of hydrothermal alteration, and theoretical studies designed to estimate conditions of alteration and ore formation. Trace-element chemistry of minerals as quantitative probes of the compositions of ore-forming fluids.
Hydrogeology
Studies of pore-water flow in northern peatlands, heat transport, heat as a tracer of natural systems, groundwater modeling, coupled numerical models of pore water flow and heat transport with freeze/thaw processes, and the impact of melting tropical glaciers on water resources.

Igneous Petrology
Experimental studies of the structure, thermodynamics, and transport properties (diffusion and viscosity) of silicate melts and applications to igneous petrogenesis. The nature of the Earth’s upper mantle and the processes within it which give rise to basaltic volcanism on both the Earth and the other terrestrial planets. Applications of laser ablation ICP-MS; Petrology, geochemistry, and tectonics of the Appalachian lithosphere.

Mineralogy
Chemistry and crystallography of carbonate minerals. Experimental investigations of the effect of environmental factors (e.g., solution composition and temperature) on the morphology and composition of calcite.

Oceanic Biogeochemistry
Links between the marine ecosystem and climate through observations of the modern ocean, simulations of ocean biogeochemistry with computer models, and sedimentary records of past climate change.

Seismology

Tectonics
The interactions of climate and tectonics, especially in regard to the formation and degradation of orogens. Understanding the paleoclimatic and neotectonic history of Plio-Pleistocene landscape development using cosmogenic-dating techniques. Archean orogenic processes. Fluid-flow in faults, granular flow in faults, and catastrophic structural/geochemical events in faults.

Isotopic Geochemistry and Sedimentary Geology
Sedimentology, stratigraphy, and isotopic geochemistry as guides to reconstructing ancient environments. Reconstruction of paleoenvironmental change during the Neoproterozoic to early Phanerozoic. Relationships between tectonics (i.e. supercontinental break-up and assembly), seawater chemistry and ocean redox, severe climatic fluctuations (including snowball Earth), and the origin and diversification of animals. Recovery of the geochemical memory of large-scale Earth system processes (e.g., microbial control of the global S cycle; anthropogenic manipulation of atmospheric OH abundances). Investigations of microbial biogeochemistry under an anoxic Archean atmosphere, to constrain mass fluxes in the Phanerozoic geologic sulfur cycle, and to track processes that control the pollution-cleansing oxidants (OH, O3) in the modern atmosphere.

Volcanology
Petrology and geochemistry of intermediate and felsic magmas. Understanding physical processes and forecasting eruptions at active subduction-zone volcanoes. Geochemistry of volcanic gases, their use for eruption prediction, and their impact on the atmosphere.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>section 27.11.5.5: Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) (45 credits)</td>
<td></td>
</tr>
<tr>
<td>The nature of graduate research in the Department of Earth and Planetary Sciences is highly variable. As a result, students may enter the graduate program with backgrounds in Earth sciences, chemistry, or physics, depending on their research interests and the supervisor with whom they wish to work. Students pursuing an M.Sc. are required to take four courses, but their major project is an M.Sc. thesis that typically results in a journal publication. Research for the thesis is typically begun in the first year of residence and completed, together with the written results, in the second year of residence. Students graduating from the program typically proceed to a Ph.D. or work in the mineral-exploration or petroleum industries. It is possible to ‘fast-track’ to a Ph.D. program at the end of the first year if suitable progress has been demonstrated.</td>
<td></td>
</tr>
</tbody>
</table>

| section 27.11.5.6: Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) — Environment (48 credits) |
| The graduate option in Earth and Planetary Sciences provides students with an appreciation of the role of science in informing decision-making in the environmental sector, and the influence that political, socio-economic, and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other’s learning through structured courses, formal seminars, and informal discussions and networking. Students that have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units. |

| section 27.11.5.7: Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences |
| The nature of graduate research in the Department of Earth and Planetary Sciences is highly variable. As a result, students may enter the graduate program with backgrounds in Earth sciences, chemistry, or physics, depending on their research interests and the supervisor with whom they wish to work. Ph.D. students typically enter with an M.Sc., in which case they are required by our regulations to take only two courses, although a supervisor may require more, depending on the suitability of the student’s background. Aside from courses, the first year is occupied by early work on the thesis project that constitutes the bulk of the Ph.D., with preparation for an oral examination on their research proposal at the end of the first year. Conduct of the research, and preparation of the results, for thesis and publication, typically takes three additional years. Students entering the Ph.D. program without an M.Sc. are required to take a full year of courses before embarking on the processes described above. Students graduating from our Ph.D. program pursue careers in universities and government-funded research institutes, and in the mineral-exploration and petroleum industries. |
section 27.11.5: Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences — Environment

The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. The option also provides a forum whereby graduate students bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking. Students that have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

27.11.5.3 Earth and Planetary Sciences Admission Requirements and Application Procedures

27.11.5.3.1 Admission Requirements

Applicants should have an academic background equivalent to that of a McGill graduate in the Honours or Majors program in geology, geophysics, chemistry, or physics (3.0 out of 4.0). The admissions committee may modify the requirements in keeping with the field of graduate study proposed. In some cases, a qualifying year may be required.

27.11.5.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Applicants who want to be considered for entrance awards, or requiring financial assistance, should apply before the dates for guaranteed consideration. There are no special forms required to apply for financial aid from the Department, as all applicants will be considered for the awards for which they are eligible.

Students should first contact potential supervisors within the Department of Earth and Planetary Sciences (www.eps.mcgill.ca/Faculty/faculty.php) and assess their interest in accepting new students before starting the formal application procedure. General inquiries concerning the Department should be addressed to Graduate Admissions, Department of Earth and Planetary Sciences. Candidates should indicate their field(s) of interest when making formal application for admission.

McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

27.11.5.4 Earth and Planetary Sciences Faculty

Chair

A. Hynes

Emeritus Professors

Jafar Arkani-Hamed; B.Eng.(Tehran), Ph.D.(MIT)
Wallace H. MacLean; B.Geol.Eng.(Colo. Sch. of Mines), M.Sc.(A.), Ph.D.(McG.)
Robert F. Martin; B.Sc.(Ott.), M.S.(Penn. St.), Ph.D.(Stan.)
Colin W. Stearn; B.Sc.(McM.), M.S., Ph.D.(Yale), F.R.S.C.

Professors

Don Baker; B.A.(Chic.), Ph.D.(Penn. St.)
Donald Francis; B.Sc.(McG.), M.Sc.(Br. Col.), Ph.D.(MIT) (Dawson Professor of Geology)
Andrew J. Hynes; B.Sc.(Tor.), Ph.D.(Cant.) (William E. Logan Professor of Geology)
Olivia G. Jensen; B.Sc., M.Sc., Ph.D.(Br. Col.)
Alfonso Mucci; B.Sc., M.Sc.(Montr.), Ph.D.(Miami)
John Stix; A.B.(Dart.), M.Sc., Ph.D.(Tor.)
A.E. (Willy) Williams-Jones; B.Sc., M.Sc.(Natal), Ph.D.(Qu.)

Associate Professors

Galen Halverson; B.A.(Mont.), M.A., Ph.D.(Harv.) (T.H. Clark Chair in Sedimentary and Petroleum Geology)
Jeanne Paquette; B.Sc., M.Sc.(McG.), Ph.D.(Stonybrook)
Hojatollah Vali; B.Sc., M.Sc., Ph.D.(Munich) (Director, Electron Microscopy Centre)
**Assistant Professors**

- Eric Galbraith; B.Sc.(McG.), Ph.D.(Br. Col.)
- Sarah Hall; B.A.(Hamilton), Ph.D.(Calif.-Santa Cruz)
- Yajing Liu; B.Sc.(Peking), Ph.D.(Harv.)
- Jeffrey McKenzie; B.Sc.(McG.), M.Sc., Ph.D.(Syrac.)
- Christie Rowe; A.B.(Smith), Ph.D.(Calif.-Santa Cruz)
- Vincent van Hinsberg; Propadeuse(Utrecht), Doctorandus(Utrecht), Ph.D.(Brist.)
- Boswell Wing; A.B.(Harv.), M.A., Ph.D.(Johns Hop.) *(Canada Research Chair in Earth Systems Science (Geochemistry))*

**Faculty Lecturer**

- W. Minarik; B.A.(St. Olaf), M.Sc.(Wash.), Ph.D.(Rensselaer Poly.)

**Adjunct Professors**

- M. Duchesne, M. Riedel, H. Short, B. Sundby

**Retired Professor**

- R. Hesse

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**27.11.5.5 Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) (45 credits)**

**Thesis Courses (33 credits)**

- EPSC 697 (9) Thesis Preparation 1
- EPSC 698 (12) Thesis Preparation 2
- EPSC 699 (12) Thesis Preparation 3

**Required Course (3 credits)**

- EPSC 666 (3) Current Issues in Geosciences

**Complementary Courses (9 credits)**

Three 3-credit 500, 600, or 700 level EPSC courses chosen with the approval of the supervisor or the research director and GPS.

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**27.11.5.6 Master of Science (M.Sc.); Earth and Planetary Sciences (Thesis) — Environment (48 credits)**

**Thesis Courses (33 credits)**

- EPSC 697 (9) Thesis Preparation 1
- EPSC 698 (12) Thesis Preparation 2
- EPSC 699 (12) Thesis Preparation 3

**Required Courses (9 credits)**

- ENVR 610 (3) Foundations of Environmental Policy
- ENVR 650 (1) Environmental Seminar 1
- ENVR 651 (1) Environmental Seminar 2
- ENVR 652 (1) Environmental Seminar 3
- EPSC 666 (3) Current Issues in Geosciences
Complementary Courses (6 credits)
One 3-credit course at the 500, 600, or 700 level chosen with the approval of the supervisor or research director and GPS.

3 credits chosen from the following courses:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
- ENVR 611 (3) The Economy of Nature
- ENVR 620 (3) Environment and Health of Species
- ENVR 622 (3) Sustainable Landscapes
- ENVR 630 (3) Civilization and Environment
- ENVR 680 (3) Topics in Environment 4

or another course at the 500, 600, or 700 level recommended by the advisory committee and approved by the Environment Option Committee.

27.11.5.7 Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences
Highly qualified B.Sc. graduates may be admitted directly to the Ph.D. 1 year. Students with the M.Sc. degree are normally admitted to the Ph.D. 2 year. Students are required to take six graduate-level courses in the Ph.D. 1 year, and two courses plus a comprehensive oral examination in the Ph.D. 2 year.

Thesis
Required Courses
EPSC 666 (3) Current Issues in Geosciences
EPSC 700 (0) Preliminary Doctoral Examination

Complementary Courses
One to seven courses approved at the 500, 600, or 700 level selected in consultation with the student's supervisor and approved by the Academic Standing Committee.

27.11.5.8 Doctor of Philosophy (Ph.D.); Earth and Planetary Sciences — Environment

Thesis
Required Courses
ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
ENVR 652 (1) Environmental Seminar 3
EPSC 666 (3) Current Issues in Geosciences
EPSC 700 (0) Preliminary Doctoral Examination

Complementary Courses
One to five courses
One course chosen from the following courses:

- ENVR 519 (3) Global Environmental Politics
- ENVR 544 (3) Environmental Measurement and Modelling
- ENVR 580 (3) Topics in Environment 3
27.11.6 Geography

27.11.6.1 Location
Department of Geography
Burnside Hall
805 Sherbrooke Street West, Room 705
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-4111
Fax: 514-398-7437
Email: grad.geog@mcgill.ca
Website: www.geog.mcgill.ca

27.11.6.2 About Geography
The Department of Geography offers a research and thesis-based graduate program leading to a Master of Arts (M.A.), Master of Science (M.Sc.), and a doctorate (Ph.D.). In its scope, our program includes the opportunity to conduct field-based studies in both the natural (i.e., biophysical) and the social sciences. Thematic areas of study include Political, Urban, Economic and Health Geography, Environment and Human Development, Geographic Information Systems and Remote Sensing, Land Surface Processes, Earth Systems Science, and Environmental Management. Geography houses the Hitschfeld Geographic Information Centre, maintains the McGill High Arctic Research Station (Axel Heiburg Island, Nunavut Territory) and the McGill Sub-Arctic Research Station (Schefferville, Quebec), and has strong ties with McGill’s School of the Environment and the Centre for Climate and Global Change Research. Faculty and students conduct research in fields as diverse as climate change impacts, periglacial geomorphology, and forest resource history in regions ranging from the Arctic to Southeast Asia and Latin America.

McGill Northern Research Stations
The McGill Sub-Arctic Research Station is located at Schefferville, in the centre of Quebec-Labrador. Facilities exist for research in most areas of physical and some areas of human geography in the subarctic.

McGill University also operates a field station at Expedition Fiord on Axel Heiberg in the High Arctic. Facilities are limited to a small lab and dorm building and cookhouse. Research activities focus on the glacial and geological. For additional information on these stations, contact the Scientific Director, Wayne Pollard, Department of Geography.

Centre for Climate and Global Change Research
The Department of Geography, with the McGill Departments of Atmospheric and Oceanic Sciences, Economics, Natural Resource Sciences, and several departments from the Université du Québec à Montréal and Université de Montréal developed a collaborative research centre that examines climate and global change. Through this centre there are graduate opportunities.

For more information contact Professor Nigel Roulet, Director, Centre for Climate and Global Change, McGill University.

Being both a natural and a social science, geography provides a unique opportunity to obtain a broad exposure to modes of analyzing the many environmental and situational problems of contemporary society. Because of this, a geography degree is a fantastic opportunity to get a career in a diverse range of fields. Our students have gone on to become United Nations field researchers in Laos, environmental consultants in Toronto, science teachers in the U.S., geography professors in many parts of the world, UNHCR volunteers in Malaysia, and policy analysts, as well as health and social policy researchers in Montreal… the list goes on! If you’re on Facebook, look for McGill Geography Alumni or visit our website www.geog.mcgill.ca/other/jobsingeg.html to learn more about the advantages of having a geography degree from McGill!

Master’s degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member culminating in a thesis. The core program consists of the thesis component (30 credits) and required (3) and complementary (12) graduate (500- or 600-level) courses.
Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow. Students must pass the courses specified for their program, attend such additional courses as the Chair and the student's thesis supervisor think fit, and submit a thesis in an appropriate area of geographical inquiry approved by the adviser.

Master of Arts (M.A.) Programs in Geography

Master’s degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member culminating in a thesis. The core program consists of the thesis component (36 credits) and required (3) and complementary (12) graduate (500- or 600-level) courses. Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.5: Master of Arts (M.A.); Geography (Thesis) (45 credits)**

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9), and complementary Geography and Environment (12) courses. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.6: Master of Arts (M.A.); Geography (Thesis) — Environment (45 credits)**

The Development Studies Option (DSO) is cross-disciplinary in scope within existing Master’s programs in Geography, Anthropology, History, Political Science, Economics, and Sociology. Its components include the thesis (30 credits) and required (6) International Development and Geography courses and complementary (9) courses from the participating departments. This thesis option is open to master’s students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.7: Master of Arts (M.A.); Geography (Thesis) — Neotropical Environment (45 credits)**

This is an interdisciplinary program for Geography students wishing to focus on gender and women’s studies and issues in feminist research and methods. Included within it are a thesis (30 credits) topically on gender and women’s studies, required (6), and complementary (9) courses from Geography and Women’s Studies.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.8: Master of Arts (M.A.); Geography (Thesis) — Development Studies (45 credits)**

The Social Statistics Option focuses on applications of quantitative methods in social science and is composed of the thesis (30 credits), required Geography (6) courses and complementary Geography, Sociology, Economics, and Political Science (9) courses. The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). Students will normally complete normal program course requirements, supplemented by further statistical courses, as advised by the option adviser, and subject to approval by the home department. Students will complete a statistics-based M.A. research paper (Economics, Political Science, Sociology) or thesis (Geography) in conjunction with an interdisciplinary capstone seminar. Acceptance into the program is by application to the Social Statistics Option Committee and is contingent on acceptance into the M.A. program in one of the participating departments (Economics, Geography, Political Science, Sociology), which in turn requires meeting Graduate and Postdoctoral Studies admission requirements.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.9: Master of Arts (M.A.); Geography (Thesis) — Social Statistics (45 credits)**

Master’s degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member culminating in a thesis. The core program consists of the thesis component (30 credits) and required (3) and complementary (12) graduate (500- or 600-level) courses. Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow.

**Faculty of Science > Academic Programs > Geography > section 27.11.6.5: Master of Science (M.Sc.); Geography (Thesis) (45 credits)**

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's or Ph.D. students offered in association with several University departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama). The option includes thesis (30 credits), required courses in Geography, Environment, and Biology (9), and complementary courses (6) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.10: Master of Arts (M.A.); Geography (Thesis) — Gender and Women’s Studies (45 credits)**

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9), and complementary Geography and Environment (12) courses. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic, and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.10: Master of Arts (M.A.); Geography (Thesis) — Social Statistics (45 credits)**

This is an interdisciplinary program for Geography students wishing to focus on gender and women’s studies and issues in feminist research and methods. Included within it are a thesis (30 credits) topically on gender and women’s studies, required (6), and complementary (9) courses from Geography and Women’s Studies.

**Faculty of Arts > Academic Programs > Geography > section 15.11.9.11: Master of Arts (M.A.); Geography (Thesis) — Development Studies (45 credits)**

The Social Statistics Option focuses on applications of quantitative methods in social science and is composed of the thesis (30 credits), required Geography (6) courses and complementary Geography, Sociology, Economics, and Political Science (9) courses. The program complements disciplinary training with research experience applying statistical methods to Statistics Canada data (or equivalent). Students will normally complete normal program course requirements, supplemented by further statistical courses, as advised by the option adviser, and subject to approval by the home department. Students will complete a statistics-based M.A. research paper (Economics, Political Science, Sociology) or thesis (Geography) in conjunction with an interdisciplinary capstone seminar. Acceptance into the program is by application to the Social Statistics Option Committee and is contingent on acceptance into the M.A. program in one of the participating departments (Economics, Geography, Political Science, Sociology), which in turn requires meeting Graduate and Postdoctoral Studies admission requirements.

Master of Science (M.Sc.) Programs in Geography

**Faculty of Science > Academic Programs > Geography > section 27.11.6.5: Master of Science (M.Sc.); Geography (Thesis) (45 credits)**

The core of both programs for all students is field-based research supervised by a faculty member culminating in a thesis. The core program consists of the thesis component (30 credits) and required (3) and complementary (12) graduate (500- or 600-level) courses. Geography also offers in association with other McGill departments and programs a number of M.A. and M.Sc. options that students may choose to follow.
Faculty of Science > Academic Programs > Geography > section 27.11.6.6: Master of Science (M.Sc.); Geography (Thesis) — Environment (45 credits)

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9), and complementary Geography and Environment (12) courses. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

Faculty of Science > Academic Programs > Geography > section 27.11.6.7: Master of Science (M.Sc.); Geography (Thesis) — Neotropical Environment (45 credits)

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's students is offered in association with several university departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama). The option includes thesis (30 credits), required courses in Geography, Environment, and Biology (9) and complementary courses (6) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

Ph.D. Programs in Geography

section 15.11.9.11: Doctor of Philosophy (Ph.D.); Geography

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research and coursework chosen in collaboration with the student’s supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course (3), and a minimum of two complementary (6) courses. The Ph.D. in Geography also includes several options.

section 15.11.9.12: Doctor of Philosophy (Ph.D.); Geography — Environment

The Environment Option consists of the thesis and comprehensive examination, required (9) courses from Geography and Environment, and complementary (9) courses in Environment or other fields recommended by the research committee and approved by the Environment Option Committee. The graduate option in Environment provides students with an appreciation of the role of science in informing decision-making in the environment sector, and the influence that political, socio-economic and ethical judgments have. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

section 15.11.9.13: Doctor of Philosophy (Ph.D.); Geography — Gender and Women's Studies

This doctoral option is an interdisciplinary program for students who meet the degree requirements in Geography and who wish to earn 9 credits of approved coursework on gender and women’s studies and issues in feminist research and methods. It includes a thesis centrally related to gender and/or women’s studies, the comprehensive examination, required (9) courses in Geography and Women’s Studies and complementary (6) courses, one of which must pertain to gender and/or women’s issues.

section 15.11.9.14: Doctor of Philosophy (Ph.D.); Geography — Neotropical Environment

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Ph.D. students offered in association with several university departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required (9) courses in Geography, Environment and Biology, and complementary courses (3) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

27.11.6.3 Geography Admission Requirements and Application Procedures

27.11.6.3.1 Admission Requirements

M.A. and M.Sc. Degrees

Attention is directed to the Graduate and Postdoctoral Studies admission regulations outlined in the Admission section of the Graduate and Postdoctoral Studies General Information, Regulations and Research Guidelines available at www.mcgill.ca/study.

Applicants not satisfying these conditions, but with primary undergraduate specialization in a cognate field, may be admitted to the M.A. or M.Sc. degree in Geography in certain circumstances. In general, they, and others who have deficiencies in their preparation but are otherwise judged to be acceptable, will be required to register for a qualifying program or to undertake additional courses.
Ph.D. Degree

Students who have completed a master's degree in Geography (with high standing) may be admitted at the Ph.D. 2 level. On rare occasions, a student may be admitted to the Ph.D. degree without having first taken the master's degree. They, and others who have deficiencies in their preparation but are otherwise acceptable, will be required to register for a year of coursework and/or be required to take extra courses. The normal duration of a program, including field work where required, is three years.

Normally, the Department will restrict admission to the Ph.D. program to students prepared to work in one of the fields of human or physical geography in which specialized supervision is offered. These, which cover a wide range of systematic areas, are listed in documents available from the Department.

27.11.6.3.2 Application Procedures

Applicants will be considered upon receipt of:

1. application form;
2. official transcripts;
3. two letters of reference for master's; three for Ph.D.;
4. $100 application fee;
5. statement of proposed research;
6. official TOEFL or IELTS score (when necessary).

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program. McGill’s online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

27.11.6.4 Geography Faculty

Chair

T. R. Moore (as of September 2011)

Graduate Program Director

George Wenzel

Post-Retirement

S.H. Olson; M.A., Ph.D.(Johns Hop.)

Professors

P.G. Brown; M.A., Ph.D.(Col.) (joint appt. with McGill School of Environment)
T.R. Moore; Ph.D.(Aberd.)
N.T. Roulet; M.Sc.(Trent), Ph.D.(McM.) (James McGill Professor)
G. Wenzel; M.A.(Manit.), Ph.D.(McG.)

Associate Professors

G.L. Chmura; M.Sc.(Rhode Is.), Ph.D.(Louis. St.)
O.T. Coomes; M.A.(Tor.), Ph.D.(Wisc. Mad.)
B. Forest; A.B.(Chic.), Ph.D.(Calif.-LA)
M.F. Lapointe; M.Sc.(McG.), Ph.D.(Br. Col.)
T.C. Meredith; M.Sc., Dip.Cons.(Lond.), Ph.D.(Cant.)
W.H. Pollard; M.A.(Guelph), Ph.D.(Ott.)
N.A. Ross; M.A.(Qu.), Ph.D.(McM.)
R. Sieber; M.P.A.(W. Mich.), Ph.D.(Rutg.) (joint appt. with McGill School of Environment)
I.B. Strachan; B.Sc.(Tor.), M.Sc., Ph.D.(Qu.) (cross appt. with Natural Resource Sciences)
J. Unruh; M.S.(Wisc.), Ph.D.(Ariz.)
Assistant Professors

L. Barrang-Ford; M.A.(Oxf.), Ph.D.(Guelph)
S. Breau; M.A.(Laval), Ph.D.(Calif.-LA)
B. Lehner; Ph.D.(Frankfurt)
J. Ford; Ph.D.(Guelph)
M. Kalacska; Ph.D.(Alta.)
N. Oswin; M.A.(Dal.), Ph.D.(Br. Col.)
G. Peterson; M.Sc., Ph.D.(Flor.)
N. Ramankutty; M.Sc.(Ill.), Ph.D.(Wisc.)
R. Sengupta; M.Sc., Ph.D.(Ill.)
S. Turner; M.Soc.Sc.(Waikato, N.Z.), Ph.D.(Hull, UK)

Adjunct Professors

R. Cooke, E. Levac

Course Lecturer

G. Akman

27.11.6.5 Master of Science (M.Sc.); Geography (Thesis) (45 credits)

Thesis Courses (30 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 698</td>
<td>6</td>
<td>Thesis Proposal</td>
</tr>
<tr>
<td>GEOG 699</td>
<td>24</td>
<td>Thesis Research</td>
</tr>
</tbody>
</table>

Required Course (3 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
</tbody>
</table>

Complementary Courses (12 credits)

12 credits, four 3-credit courses at the 500 level or above selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

27.11.6.6 Master of Science (M.Sc.); Geography (Thesis) — Environment (45 credits)

The Environment Option is offered in association with the McGill School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9 credits) and complementary Geography and Environment (12 credits) courses.

Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 697</td>
<td>18</td>
<td>Thesis Research (Environment Option)</td>
</tr>
<tr>
<td>GEOG 698</td>
<td>6</td>
<td>Thesis Proposal</td>
</tr>
</tbody>
</table>

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVR 610</td>
<td>3</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>ENVR 650</td>
<td>1</td>
<td>Environmental Seminar 1</td>
</tr>
<tr>
<td>ENVR 651</td>
<td>1</td>
<td>Environmental Seminar 2</td>
</tr>
<tr>
<td>ENVR 652</td>
<td>1</td>
<td>Environmental Seminar 3</td>
</tr>
<tr>
<td>GEOG 631</td>
<td>3</td>
<td>Methods of Geographical Research</td>
</tr>
</tbody>
</table>
Complementary Courses (12 credits)
9 credits of courses at the 500 level or higher selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

3 credits, one course chosen from the following:

- **ENVR 519 (3)** Global Environmental Politics
- **ENVR 544 (3)** Environmental Measurement and Modelling
- **ENVR 580 (3)** Topics in Environment 3
- **ENVR 611 (3)** The Economy of Nature
- **ENVR 620 (3)** Environment and Health of Species
- **ENVR 622 (3)** Sustainable Landscapes
- **ENVR 630 (3)** Civilization and Environment
- **ENVR 680 (3)** Topics in Environment 4

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

27.11.6.7 Master of Science (M.Sc.); Geography (Thesis) — Neotropical Environment (45 credits)
Participation in the MSE-Panama Symposium presentation in Montreal is also required.

**Thesis Courses (30 credits)**

- **GEOG 698 (6)** Thesis Proposal
- **GEOG 699 (24)** Thesis Research

**Required Courses (9 credits)**

- **BIOL 640 (3)** Tropical Biology and Conservation
- **ENVR 610 (3)** Foundations of Environmental Policy
- **GEOG 631 (3)** Methods of Geographical Research

**Complementary Course (3 credits)**
3 credits, one Geography graduate course. GEOG 696 can count among these complementary credits for students with an appropriate background.

**Elective Course (3 credits)**
3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approval by the student’s supervisor AND the Neotropical Environment Options Director.

27.11.6.8 Doctor of Philosophy (Ph.D.); Geography
The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research and coursework chosen in collaboration with the student’s supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course (3 credits), and a minimum of two complementary courses (6 credits). The Ph.D. in Geography also includes several options.

**Thesis**

**Required Courses**

- **GEOG 631 (3)** Methods of Geographical Research
- **GEOG 700 (0)** Comprehensive Examination 1
Comprehensive Examination 2(0) GEOG 701
Comprehensive Examination 3(0) GEOG 702

Complementary Courses
Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

27.11.6.9 Doctor of Philosophy (Ph.D.); Geography — Environment
The option consists of the thesis and comprehensive examination, required courses (9 credits) from Geography and Environment and complementary courses (9 credits) in Environment or other fields recommended by the research committee and approved by the Environment Option Committee.

Thesis
Required Courses
ENVR 610 (3) Foundations of Environmental Policy
ENVR 650 (1) Environmental Seminar 1
ENVR 651 (1) Environmental Seminar 2
ENVR 652 (1) Environmental Seminar 3
GEOG 631 (3) Methods of Geographical Research

Complementary Courses
Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

One course chosen from the following:
ENVR 519 (3) Global Environmental Politics
ENVR 544 (3) Environmental Measurement and Modelling
ENVR 580 (3) Topics in Environment 3
ENVR 611 (3) The Economy of Nature
ENVR 620 (3) Environment and Health of Species
ENVR 622 (3) Sustainable Landscapes
ENVR 630 (3) Civilization and Environment
ENVR 680 (3) Topics in Environment 4

or another course at the 500 level or higher recommended by the advisory committee and approved by the Environment Option Committee.

Comprehensives
GEOG 700 (0) Comprehensive Examination 1
GEOG 701 (0) Comprehensive Examination 2
GEOG 702 (0) Comprehensive Examination 3

27.11.6.10 Doctor of Philosophy (Ph.D.); Geography — Gender and Women's Studies
The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student’s doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Thesis
Required Courses
Complementary Courses
Two substantive courses.
One of these two courses must be taken within the Department of Geography at the 500 level or above; one of the two courses must be on gender/women’s issues at the 500, 600, or 700 level.

27.11.6.11 Doctor of Philosophy (Ph.D.); Geography — Neotropical Environment
The Neotropical Option is offered in association with several University departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensive examination, required courses (9 credits) in Geography, Environment and Biology, and complementary courses (3 credits) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science.

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

Thesis

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 640</td>
<td>(3)</td>
<td>Tropical Biology and Conservation</td>
</tr>
<tr>
<td>ENVR 610</td>
<td>(3)</td>
<td>Foundations of Environmental Policy</td>
</tr>
<tr>
<td>GEOG 631</td>
<td>(3)</td>
<td>Methods of Geographical Research</td>
</tr>
<tr>
<td>GEOG 700</td>
<td>(0)</td>
<td>Comprehensive Examination 1</td>
</tr>
<tr>
<td>GEOG 701</td>
<td>(0)</td>
<td>Comprehensive Examination 2</td>
</tr>
<tr>
<td>GEOG 702</td>
<td>(0)</td>
<td>Comprehensive Examination 3</td>
</tr>
</tbody>
</table>

Elective Courses
3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student’s supervisor AND the Neotropical Environment Options Director.

27.11.7 Mathematics and Statistics

27.11.7.1 Location
Department of Mathematics and Statistics
Burnside Hall, Room 1005
805 Sherbrooke Street West
Montreal, QC H3A 2K6
Canada

Telephone: 514-398-3800
Fax: 514-398-3899
Email: grad.mathstat@mcgill.ca
Website: www.math.mcgill.ca

27.11.7.2 About Mathematics and Statistics
The Department of Mathematics and Statistics offers programs which can be focused on applied mathematics, pure mathematics, and statistics leading to master’s degrees (M.A. or M.Sc.), with program options in Bioinformatics and in CSE (Computational Science and Engineering). The research groups are: Algebra Category, Theory and Logic, Geometric Group Theory, Algebraic Geometry, Discrete Mathematics, Mathematical Physics, Analysis and its Applications, Differential Geometry, Number Theory, Applied Mathematics, Differential Equations, and Probability & Statistics. In the basic master’s
programs students must choose between the Thesis option and the Non-Thesis option, which requires a project. The Bioinformatics and CSE options require a thesis. In addition to the Ph.D. program in Mathematics and Statistics, there is a Ph.D. option in Bioinformatics.

The Department website (www.math.mcgill.ca) provides extensive information on the Department and its facilities, including the research activities and the research interests of individual faculty members. It also provides detailed information, supplementary to the calendar, concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the website (www.math.uqam.ca/ISM) of the Institut des Sciences Mathématiques (ISM), which coordinates intermediate and advanced-level graduate courses among Montreal and Quebec universities. A list of courses available under the ISM auspices can be obtained from the ISM website. The ISM also offers fellowships and promotes a variety of joint academic activities greatly enhancing the mathematical environment in Montreal and in the province of Quebec.

**Faculty of Arts > Academic Programs > Mathematics and Statistics > section 15.11.18.5: Master of Arts (M.A.); Mathematics and Statistics (Thesis) (45 credits)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The Thesis option requires a thesis (24 credits) and six approved courses of 3 or more credits each for a total of at least 21 credits.

**Faculty of Arts > Academic Programs > Mathematics and Statistics > section 15.11.18.6: Master of Arts (M.A.); Mathematics and Statistics (Non-Thesis) (45 credits)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.A.). The Non-Thesis option requires a project (16 credits) and eight approved courses of 3 or more credits each for a total of at least 29 credits.

**Faculty of Science > Academic Programs > Mathematics and Statistics > section 27.11.7.5: Master of Science (M.Sc.); Mathematics and Statistics (Thesis) (45 credits)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.Sc.). The Thesis option requires a thesis (24 credits) and six approved courses of 3 or more credits each for a total of at least 21 credits.

**Faculty of Science > Academic Programs > Mathematics and Statistics > section 27.11.7.6: Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Bioinformatics (48 credits)**

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field.

**Faculty of Science > Academic Programs > Mathematics and Statistics > section 27.11.7.7: Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Computational Science and Engineering (47 credits)**

CSE is a rapidly growing multidisciplinary area with connections to the sciences, engineering, mathematics and computer science. CSE focuses on the development of problem-solving methodologies and robust tools for the solution of scientific and engineering problems. Please visit our website for more information: www.cs.mcgill.ca/prospective-students/graduate/msc_cse_option

**Faculty of Science > Academic Programs > Mathematics and Statistics > section 27.11.7.8: Master of Science (M.Sc.); Mathematics and Statistics (Non-Thesis) (45 credits)**

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the Master's degree (M.Sc.). The Non-Thesis option requires a project (16 credits) and eight approved courses of 3 or more credits each for a total of at least 29 credits.

**section 15.11.18.7: Doctor of Philosophy (Ph.D.); Mathematics and Statistics**

The Department offers a course of studies leading to the Ph.D. degree. It differs substantially from the master’s programs in that the student must write a thesis which makes an original contribution to knowledge. The thesis topic is chosen by the student in consultation with the research supervisor. The thesis must be examined and approved by an internal examiner (normally the research supervisor), an external examiner and the Oral Examination Committee. The student must make an oral defense of the thesis before that Committee. In addition, the student has to pass comprehensive examinations.

**section 15.11.18.8: Doctor of Philosophy (Ph.D.); Mathematics and Statistics — Bioinformatics**

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field and have the capability of developing an independent Bioinformatics research program.
27.11.7.3 Mathematics and Statistics Admission Requirements and Application Procedures

27.11.7.3.1 Admission Requirements

In addition to the general Graduate and Postdoctoral Studies requirements, the Department requirements are as follows:

Master's Degree

The normal entrance requirement for the master's programs is a Canadian Honours degree or its equivalent, with high standing, in mathematics, or a closely related discipline in the case of applicants intending to concentrate in statistics or applied mathematics.

Applicants wishing to concentrate in pure mathematics should have a strong background in linear algebra, abstract algebra, and real and complex analysis.

Applicants wishing to concentrate in statistics should have a strong background in linear algebra and basic real analysis. A calculus-based course in probability and one in statistics are required, as well as some knowledge of computer programming. Some knowledge of numerical analysis and optimization is desirable.

Applicants wishing to concentrate in applied mathematics should have a strong background in most of the areas of linear algebra, analysis, differential equations, discrete mathematics, and numerical analysis. Some knowledge of computer programming is also desirable.

Students whose preparation is insufficient for the program they wish to enter may, exceptionally, be admitted to a Qualifying Year.

Ph.D. Degree

A master's degree with high standing is required, in addition to the requirements listed above for the master's program. Students may transfer directly from the master's program to the Ph.D. program under certain conditions. Students without a master's degree, but with exceptionally strong undergraduate training, may be admitted directly to Ph.D. 1.

27.11.7.3.2 Application Procedures

Online application is preferred and is available at www.mcgill.ca/gradapplicants/apply. Applicants unable to apply online can request a paper or PDF form from the Department.

Applications will be considered upon receipt of:

1. application form;
2. $100 application fee;
3. two official or certified copies of transcripts;
4. two letters of reference on letterhead with original signatures;
5. one page statement outlining research interests and identifying possible supervisor;
6. TOEFL/IELTS test results (if applicable);
7. applicants in pure and applied mathematics should provide a GRE score report, if available.

For more details, especially concerning items 6 and 7, please consult the website at www.math.mcgill.ca/students/graduate/application.

All information is to be submitted directly to the Graduate Program Coordinator in the Department of Mathematics and Statistics.

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

McGill's online application form for graduate program candidates is available at www.mcgill.ca/gradapplicants/apply.

27.11.7.4 Mathematics and Statistics Faculty

Chair

Jacques Hurtubise

Graduate Program Director

Pengfei Guan

Emeritus Professors

Michael Barr; A.B., Ph.D.(Penn.) (Peter Redpath Emeritus Professor of Pure Mathematics)

William G. Brown, B.A.(Tor.), M.A.(Col.), Ph.D.(Tor.)

Marta Bunge; M.A., Ph.D.(Penn.)

Jal R. Choksi; B.A.(Cant.), Ph.D.(Manc.)

Kohur N. GowriSankaran; B.A., M.A.(Madr.), Ph.D.(Bom.)

Joachim Lambek; M.Sc., Ph.D.(McG.), F.R.S.C. (Peter Redpath Emeritus Professor of Pure Mathematics)
### Emeritus Professors

- **Michael Makkai**: M.A., Ph.D. (Bud.) (*Peter Redpath Professor of Pure Mathematics*)
- **Sherwin Maslowe**: B.Sc. (Wayne St.), M.Sc., Ph.D. (Calif.)
- **Arak M. Mathai**: M.Sc. (Kerala), M.A., Ph.D. (Tor.)
- **William O.J. Moser**: B.Sc. (Manit.), M.A. (Minn.), Ph.D. (Tor.)
- **Karl Peter Russell**: Vor.Dip. (Hamburg), Ph.D. (Calif.)
- **Vanamamalai Seshadri**: B.Sc, M.Sc. (Madr.), Ph.D. (Okl.)
- **George P.H. Styan**: M.A., Ph.D. (Col.)
- **John C. Taylor**: B.Sc. (Acad.), M.A. (Qu.), Ph.D. (McM.)

### Professors

- **William J. Anderson**: B.Eng., Ph.D. (McG.)
- **Henri Darmon**: B.Sc. (McG.), Ph.D. (Harv.), F.R.S.C. (*James McGill Professor*)
- **Stephen W. Drury**: M.A., Ph.D. (Cant.)
- **Christian Genest**: BSp.Sc. (UQAC), M.Sc. (Vermont), Ph.D. (Br. Col.)
- **Eyal Z. Goren**: B.A., M.S., Ph.D. (Hebrew)
- **Pengfei Guan**: B.Sc. (Zhejiang), M.Sc., Ph.D. (Princ.) (*Canada Research Chair*)
- **Jacques C. Hurtubise**: B.Sc. (Montr.), D.Phil. (Oxf.) F.R.S.C.
- **Dmitry Jakobson**: B.Sc. (MIT), Ph.D. (Princ.) (*William Dawson Scholar*)
- **Vojkan Jaksic**: B.S. (Belgrade), Ph.D. (Calif. Tech.)
- **Niky Kamran**: B.Sc., M.Sc. (Bruxelles), Ph.D. (Wat.), F.R.S.C. (*James McGill Professor*)
- **Olga Kharlampovich**: M.A. (Ural St.), Ph.D. (Lenin.), Dr. of Sc. (Steklov Inst.)
- **Charles Roth**: M.Sc. (McG.), Ph.D. (Hebrew)
- **F. Bruce Shepherd**: B.Sc. (Vic., Tor.), M.Sc., Ph.D. (Wat.) (*James McGill Professor*)
- **David A. Stephens**: B.Sc., Ph.D. (Nott.)
- **John A. Toth**: B.Sc., M.Sc. (McM.), Ph.D. (MIT) (*William Dawson Scholar*)
- **Daniel T. Wise**: B.A. (Yeshiva), Ph.D. (Princ.)
- **David Wolfson**: B.Sc., M.Sc. (Natal), Ph.D. (Purd.)
- **Jian-Ju Xu**: B.Sc., M.Sc. (Beijing), M.Sc., Ph.D. (Rensselaer Poly.)

### Assistant Professors

- **Louigi Addario-Berry**: B.Sc., M.Sc., Ph.D. (McG.)
- **Jayce Getz**: A.B. (Harv.), Ph.D. (Wis.)
- **Abbas Khalili**: Ph.D. (Wat.)
- **Jean-Christophe Nave**: B.Sc., Ph.D. (Calif., Santa Barbara)
- **Johanna Neslehova**: B.Sc., M.Sc. (Hamburg), Ph.D. (Oldenburg)
- **Gantumur Tsogtgerel**: Ph.D. (Utrecht)
- **Johannes Walcher**: Dip, Ph.D. (ETH Zurich)

### Associate Professors

- **Masoud Asgharian**: B.Sc. (Shahid Beheshti), M.Sc., Ph.D. (McG)
- **Peter Bartello**: B.Sc. (Tor.), M.Sc., Ph.D. (McG.) (*joint appt. with Atmospheric and Oceanic Sciences*)
- **Rustum Choksi**: B.Sc. (Tor.) S.M., Ph.D. (Brown)
Associate Professors

Antony R. Humphries; B.A., M.A.(Camb.), Ph.D.(Bath)
Wilbur Jonsson; M.Sc.(Manit.), Dr.Rer.Nat.(Tübingen)
Ivo Klemes; B.Sc.(Tor.), Ph.D.(Calif. Tech.)
James G. Loveys; B.A.(St. Mary’s), M.Sc., Ph.D.(S. Fraser)
Neville G.F. Sancho; B.Sc., Ph.D.(Belf.)
Robert Seiringer; Dip, Ph.D.(Vienna)
Russell Steele; B.S., M.S.(Carn. Mell), Ph.D.(Wash.)
Alain Vandal; B.Sc., M.Sc.(McG.), Ph.D.(Auck.)
Adrian Vetta; B.Sc., M.Sc.(LSE), Ph.D.(MIT) (*joint appt. with Computer Science*)

Associate Members


Adjunct Professors

Vasek Chvatal; Ph.D.(Wat.)
Donald A. Dawson; B.Sc., M.Sc.(McG.), Ph.D.(MIT)
Martin Gander; M.S.(ETH Zurich), M.S., Ph.D.(Stan.)
Andrew Granville; B.A., CASM(Camb.), Ph.D.(Qu.)
Adrian Iovita; B.S.(Bucharest), Ph.D.(Boston)
Ming Mei; B.Sc., M.Sc.(Fangxi Normal Uni.), Ph.D.(Kanazawa)
Alexei Miasnikov; M.Sc.(Novosibirsk), Ph.D., Dr. of Sc.(Lenin.)
M. Ram Murty; B.Sc.(Car.), Ph.D.(MIT), F.R.S.C.
Vladimir Remeslennikov; M.Sc.(Perm, Russia), Ph.D.(Novosibirsk)
Robert A. Seely; B.Sc.(McG.), Ph.D.(Can.)

Faculty Lecturers

José A. Correa; M.Sc.(Wat.), Ph.D.(Car.)
H. Hahn; Ph.D.(Ill.-Urbana-Champaign)
Axel Hundemer; M.Sc., Ph.D.(Munich)
Armel Djivede Kelome; M.Sc.(Benin), M.Sc.(McG.), Ph.D.(Georgia Tech.)

27.11.7.5 Master of Science (M.Sc.); Mathematics and Statistics (Thesis) (45 credits)

Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 600</td>
<td>6</td>
<td>Master's Thesis Research 1</td>
</tr>
<tr>
<td>MATH 601</td>
<td>6</td>
<td>Master's Thesis Research 2</td>
</tr>
<tr>
<td>MATH 604</td>
<td>6</td>
<td>Master's Thesis Research 3</td>
</tr>
<tr>
<td>MATH 605</td>
<td>6</td>
<td>Master's Thesis Research 4</td>
</tr>
</tbody>
</table>

Complementary Courses (21 credits)

At least six approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.
27.11.7.6 Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Bioinformatics (48 credits)

Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 600</td>
<td>6</td>
<td>Master's Thesis Research 1</td>
</tr>
<tr>
<td>MATH 601</td>
<td>6</td>
<td>Master's Thesis Research 2</td>
</tr>
<tr>
<td>MATH 604</td>
<td>6</td>
<td>Master's Thesis Research 3</td>
</tr>
<tr>
<td>MATH 605</td>
<td>6</td>
<td>Master's Thesis Research 4</td>
</tr>
</tbody>
</table>

Required Course (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMP 616D1</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
<tr>
<td>COMP 616D2</td>
<td>1.5</td>
<td>Bioinformatics Seminar</td>
</tr>
</tbody>
</table>

Complementary Courses (21 credits)

6 credits from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BINF 621</td>
<td>3</td>
<td>Bioinformatics: Molecular Biology</td>
</tr>
<tr>
<td>BMDE 652</td>
<td>3</td>
<td>Bioinformatics: Proteomics</td>
</tr>
<tr>
<td>BTEC 555</td>
<td>3</td>
<td>Structural Bioinformatics</td>
</tr>
<tr>
<td>COMP 618</td>
<td>3</td>
<td>Bioinformatics: Functional Genomics</td>
</tr>
<tr>
<td>PHGY 603</td>
<td>3</td>
<td>Systems Biology and Biophysics</td>
</tr>
</tbody>
</table>

15 credits of approved courses at the 500 or 600 level. Additional courses may be required at the discretion of the candidate's supervisory committee.

27.11.7.7 Master of Science (M.Sc.); Mathematics and Statistics (Thesis) — Computational Science and Engineering (47 credits)

Thesis Courses (24 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 600</td>
<td>6</td>
<td>Master's Thesis Research 1</td>
</tr>
<tr>
<td>MATH 601</td>
<td>6</td>
<td>Master's Thesis Research 2</td>
</tr>
<tr>
<td>MATH 604</td>
<td>6</td>
<td>Master's Thesis Research 3</td>
</tr>
<tr>
<td>MATH 605</td>
<td>6</td>
<td>Master's Thesis Research 4</td>
</tr>
</tbody>
</table>

Required Course (1 credit)

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 669D1</td>
<td>.5</td>
<td>CSE Seminar</td>
</tr>
<tr>
<td>MATH 669D2</td>
<td>.5</td>
<td>CSE Seminar</td>
</tr>
</tbody>
</table>

Complementary Courses (22 credits)

(minimum 22 credits)

Two courses from List A, two courses from List B, and the remaining credits to be chosen from graduate (500- or 600-level) courses in the Department of Mathematics and Statistics. Two complementary courses must be taken outside the Department of Mathematics and Statistics.

List A - Scientific Computing Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIVE 602</td>
<td>4</td>
<td>Finite Element Analysis</td>
</tr>
<tr>
<td>COMP 522</td>
<td>4</td>
<td>Modelling and Simulation</td>
</tr>
<tr>
<td>COMP 540</td>
<td>3</td>
<td>Matrix Computations</td>
</tr>
<tr>
<td>Course Code</td>
<td>Credits</td>
<td>Course Name</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>COMP 566</td>
<td>(3)</td>
<td>Discrete Optimization 1</td>
</tr>
<tr>
<td>MATH 578</td>
<td>(4)</td>
<td>Numerical Analysis 1</td>
</tr>
<tr>
<td>MATH 579</td>
<td>(4)</td>
<td>Numerical Differential Equations</td>
</tr>
</tbody>
</table>

**List B - Applications and Specialized Methods Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATOC 512</td>
<td>(3)</td>
<td>Atmospheric and Oceanic Dynamics</td>
</tr>
<tr>
<td>ATOC 513</td>
<td>(3)</td>
<td>Waves and Stability</td>
</tr>
<tr>
<td>ATOC 515</td>
<td>(3)</td>
<td>Turbulence in Atmosphere and Oceans</td>
</tr>
<tr>
<td>CIVE 572</td>
<td>(3)</td>
<td>Computational Hydraulics</td>
</tr>
<tr>
<td>CIVE 603</td>
<td>(4)</td>
<td>Structural Dynamics</td>
</tr>
<tr>
<td>CIVE 613</td>
<td>(4)</td>
<td>Numerical Methods: Structural Engineering</td>
</tr>
<tr>
<td>COMP 505</td>
<td>(3)</td>
<td>Advanced Computer Architecture</td>
</tr>
<tr>
<td>COMP 557</td>
<td>(3)</td>
<td>Fundamentals of Computer Graphics</td>
</tr>
<tr>
<td>COMP 558</td>
<td>(3)</td>
<td>Fundamentals of Computer Vision</td>
</tr>
<tr>
<td>COMP 567</td>
<td>(3)</td>
<td>Discrete Optimization 2</td>
</tr>
<tr>
<td>COMP 621</td>
<td>(4)</td>
<td>Program Analysis and Transformations</td>
</tr>
<tr>
<td>COMP 642</td>
<td>(4)</td>
<td>Numerical Estimation Methods</td>
</tr>
<tr>
<td>COMP 767</td>
<td>(4)</td>
<td>Advanced Topics: Applications 2</td>
</tr>
<tr>
<td>ECSE 507</td>
<td>(3)</td>
<td>Optimization and Optimal Control</td>
</tr>
<tr>
<td>ECSE 532</td>
<td>(3)</td>
<td>Computer Graphics</td>
</tr>
<tr>
<td>ECSE 547</td>
<td>(3)</td>
<td>Finite Elements in Electrical Engineering</td>
</tr>
<tr>
<td>ECSE 549</td>
<td>(3)</td>
<td>Expert Systems in Electrical Design</td>
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<tr>
<td>MATH 555</td>
<td>(4)</td>
<td>Fluid Dynamics</td>
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<tr>
<td>MATH 560</td>
<td>(4)</td>
<td>Optimization</td>
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<tr>
<td>MATH 561</td>
<td>(4)</td>
<td>Asymptotic Expansion and Perturbation Methods</td>
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<tr>
<td>MATH 761</td>
<td>(4)</td>
<td>Topics in Applied Mathematics 1</td>
</tr>
<tr>
<td>MECH 533</td>
<td>(3)</td>
<td>Subsonic Aerodynamics</td>
</tr>
<tr>
<td>MECH 537</td>
<td>(3)</td>
<td>High-Speed Aerodynamics</td>
</tr>
<tr>
<td>MECH 538</td>
<td>(3)</td>
<td>Unsteady Aerodynamics</td>
</tr>
<tr>
<td>MECH 539</td>
<td>(3)</td>
<td>Computational Aerodynamics</td>
</tr>
<tr>
<td>MECH 541</td>
<td>(3)</td>
<td>Kinematic Synthesis</td>
</tr>
<tr>
<td>MECH 545</td>
<td>(3)</td>
<td>Advanced Stress Analysis</td>
</tr>
<tr>
<td>MECH 572</td>
<td>(3)</td>
<td>Introduction to Robotics</td>
</tr>
<tr>
<td>MECH 573</td>
<td>(3)</td>
<td>Mechanics of Robotic Systems</td>
</tr>
<tr>
<td>MECH 576</td>
<td>(3)</td>
<td>Geometry in Mechanics</td>
</tr>
<tr>
<td>MECH 577</td>
<td>(3)</td>
<td>Optimum Design</td>
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<tr>
<td>MECH 610</td>
<td>(4)</td>
<td>Fundamentals of Fluid Dynamics</td>
</tr>
<tr>
<td>MECH 620</td>
<td>(4)</td>
<td>Advanced Computational Aerodynamics</td>
</tr>
<tr>
<td>MECH 632</td>
<td>(4)</td>
<td>Theory of Elasticity</td>
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<tr>
<td>MECH 642</td>
<td>(4)</td>
<td>Advanced Dynamics</td>
</tr>
<tr>
<td>MECH 650</td>
<td>(4)</td>
<td>Fundamentals of Heat Transfer</td>
</tr>
<tr>
<td>MECH 654</td>
<td>(4)</td>
<td>Compt. Fluid Flow and Heat Transfer</td>
</tr>
</tbody>
</table>
27.11.7.8 Master of Science (M.Sc.); Mathematics and Statistics (Non-Thesis) (45 credits)

Research Project (16 credits)

MATH 640 (8) Project 1
MATH 641 (8) Project 2

Complementary Courses (29 credits)
At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

27.11.7.9 Doctor of Philosophy (Ph.D.); Mathematics and Statistics

Thesis

Required Courses

MATH 700 (0) Ph.D. Preliminary Examination Part A
MATH 701 (0) Ph.D. Preliminary Examination Part B

Complementary Courses
Twelve approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

27.11.7.10 Doctor of Philosophy (Ph.D.); Mathematics and Statistics — Bioinformatics

Thesis

Required Courses (3 credits)

COMP 616D1 (1.5) Bioinformatics Seminar
COMP 616D2 (1.5) Bioinformatics Seminar
MATH 700 (0) Ph.D. Preliminary Examination Part A
MATH 701 (0) Ph.D. Preliminary Examination Part B

Complementary Courses (6 credits)
(3-6 credits)
The twelve one-semester complementary courses for the Ph.D. degree must include at least two from the list below, unless a student has completed the M.Sc.-level option in Bioinformatics, in which case only one course from the list below must be chosen:

BINF 621 (3) Bioinformatics: Molecular Biology
BMDE 652 (3) Bioinformatics: Proteomics
BTEC 555 (3) Structural Bioinformatics
COMP 618 (3) Bioinformatics: Functional Genomics
PHGY 603 (3) Systems Biology and Biophysics

27.11.8 Physics

27.11.8.1 Location

Department of Physics
Ernest Rutherford Physics Building
3600 University Street
Montreal, QC H3A 2T8
Canada
Experimental: Current research programs in experimental nuclear physics at McGill are focused on two main axes: collisions; fragmentation at intermediate energy; electromagnetic probes in relativistic heavy ion collisions; effective Lagrangians for hadronic systems at Nuclear Physics research laboratories.

are based mainly on instrumentation or data analysis conducted on campus, while Ph.D. research may involve an extended stay at one of the world's major

Students at the M.Sc. and Ph.D. levels are offered a strong program of research in a challenging and rapidly advancing

High-energy particle astrophysics: ground-based gamma-ray astronomy using the newly-commissioned VERITAS telescope array and development of

• Electron-proton collisions: A group is studying high-energy lepton-quark interactions using data from the ZEUS experiment at DESY in Hamburg, with interest in deep inelastic scattering and flavour production.

• Hadron-hadron collisions: CDF and Dzero groups employ Fermilab's energy frontier Tevatron proton-antiproton accelerator to study top and bottom quarks and search for the Higgs boson. A group is also involved in major contributions to the next energy frontier at CERN's LHC, with work on the High Level Trigger for the ATLAS experiment.

• High-energy particle astrophysics: ground-based gamma-ray astronomy using the newly-commissioned VERITAS telescope array and development of the next-generation detector.

Students at the M.Sc. and Ph.D. levels are offered a strong program of research in a challenging and rapidly advancing field. Short term master's projects are based mainly on instrumentation or data analysis conducted on campus, while Ph.D. research may involve an extended stay at one of the world's major research laboratories.

Nuclear Physics

Theoretical: Current research programs include transport equations for heavy ion collisions at intermediate energy; nuclear equation of state from heavy ion collisions; fragmentation at intermediate energy; electromagnetic probes in relativistic heavy ion collisions; effective Lagrangians for hadronic systems at finite temperature; Quark-Gluon Plasma, QCD.

Experimental: Current research programs in experimental nuclear physics at McGill are focused on two main axes:
The study of heavy-ion reactions at relativistic energies to determine the properties of nuclear matter at high temperatures and density. This program is being performed at the Brookhaven National Laboratory, and at the Large Hadron Collider facility at CERN.

The study of ground state properties of unstable nuclei using laser spectroscopy techniques and ion traps. This work is being carried out using the Canadian Penning trap facility at the Argonne National Laboratory and at the accelerator ISOLDE (CERN), and the ISAC facility at TRIUMF.

Furthermore, the Nuclear Physics Group has an active in-house research program that applies the ion trap and laser techniques to the detection of trace quantities of material and contaminants, and to ion spectroscopy.

Condensed Matter Physics

Theoretical: Current research programs involve the nonequilibrium, ab-initio modelling of molecular and nanoelectronic systems and devices; the study of quantum effects in interacting mesoscopic electron systems; nonequilibrium phenomena in extended systems; and applications of statistical mechanics to problems in biophysics.

Experimental: Current research programs involve the study of the time evolution of non-equilibrium systems via x-ray diffraction, fundamental quantum properties of strongly-correlated systems at temperatures very near absolute zero, macromolecular interactions in living cells using single photon and two-photon imaging, molecular electronics and nanoelectronic systems by scanning probe microscopy, dynamics and mechanical properties of soft matter systems and spatial organization and dynamics in living cells, mechanical behavior of very small systems by high-resolution force microscopy, electronic properties which emerge at the limits of miniaturization and quantum computing, and nuclear methods to study interactions in magnetic materials that lead to exotic magnetic ordering behaviour. This includes studies of novel materials such as carbon nanotubes, graphene, unconventional superconductors, quantum dots, heterostructures, amorphous systems, and spin glasses.

Astrophysics

Research in the astrophysics group covers a wide range of topics including cosmology, galaxy formation, high energy astrophysics, and extrasolar planets. This involves observations at all wavelengths, from gamma rays and X-rays to sub-mm, infrared and radio, using international observatories in space and on the ground. Experimental groups at McGill are involved in development and operation of ground-based high energy gamma-ray observatories, and cosmic microwave background background experiments. Theoretical work includes studies of how astrophysics and observational cosmology can experimentally determine the most important properties of dark matter and dark energy, studies of the diverse physics of neutron stars, and extrasolar planet formation.

Nonlinear Variability in Geophysics

This group studies nonlinear dynamical processes in the atmosphere and other geophysical systems, especially those associated with turbulent, chaotic, and extremely variable behaviour. Emphasis is placed on multifractal analysis and modelling as well as the development of new theories and techniques covering wide ranges of scale in time and space. Data from a variety of in situ and remotely sensed sources are used. This includes satellite data of the Earth's atmosphere and surface as well as high quality precipitation data from the McGill Radar Weather Observatory.

Section 27.11.8.5: Master of Science (M.Sc.); Physics (Thesis) (45 credits)

McGill graduates have gone on to successful careers in academia and industry as well as in government. Our former students teach in colleges and universities world-wide and others have research positions in governmental and industrial laboratories. Still others work in the financial sector or as entrepreneurs making good use of the analytic and quantitative problem-solving skills acquired during their education as physicists. Consult the Department for more information about this program.

Section 27.11.8.6: Doctor of Philosophy (Ph.D.); Physics

McGill graduates have gone on to successful careers in academia and industry as well as in government. Our former students teach in colleges and universities world-wide and others have research positions in governmental and industrial laboratories. Still others work in the financial sector or as entrepreneurs making good use of the analytic and quantitative problem-solving skills acquired during their education as physicists. Consult the Department for more information about this program.

Section 27.11.8.3 Physics Admission Requirements and Application Procedures

Section 27.11.8.3.1 Admission Requirements

M.Sc.

Normal requirement is a B.Sc. in Physics or equivalent, with high standing.

Ph.D.

Normal requirement is an M.Sc. in Physics or equivalent. Candidates in good standing may have the option of transferring into this program from the M.Sc. program after one year.

Section 27.11.8.3.2 Application Procedures

An application package is available upon request. It includes a brochure with a detailed description of the research activities in the Department. Inquiries should be addressed to the Graduate Coordinator (Lauren Kay, Department of Physics). Please also check our website (www.physics.mcgill.ca) for information about our graduate program and to apply online.

Applications will be considered upon receipt of:

1. application form;
2. two official transcripts;
3. two letters of reference written on institutional letterhead paper;
4. $100 application fee;
5. test result: TOEFL (minimum score 550 on the paper-based test or 86 on the Internet-based test, with each component score not less than 20) or IELTS (minimum score 6.5).

All information is to be submitted to the Graduate Coordinator.

Dates for Guaranteed Consideration
For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Financial Assistance
Financial assistance will be offered to students in the form of a bursary, teaching, and research assistantships. For new students, financial support will be offered at the time of acceptance. Forms are given and filled out on registration day.

27.11.8.4 Physics Faculty

Chair
C. Gale

Director of Graduate Studies
S. Jeon

Emeritus Professors
S. Das Gupta; B.Sc., M.Sc.(Calc.), Ph.D.(McM.) (Macdonald Emeritus Professor of Physics)
N.B. De Takacsy; B.Sc., M.Sc.(Montr.), Ph.D.(McG.)
C.S. Lam; B.Sc.(McG.), Ph.D.(MIT)
M.P. Langleben; B.Sc., M.Sc., Ph.D.(McG.), F.R.S.C.
S.K. Mark; B.Sc., M.Sc., Ph.D.(McG.) (Macdonald Emeritus Professor of Physics)
D.G. Stairs; B.Sc., M.Sc.(Qu.), Ph.D.(Harv.) (Macdonald Emeritus Professor of Physics)
J.O. Strom-Olsen; B.A., M.S., Ph.D.(Camb.)
M.J. Zuckermann; M.A., D.Phil.(Oxf.), F.R.S.C.

Post-Retirement Professors
J. Barrette; M.Sc., Ph.D.(Montr.)
J.E. Crawford; B.A., M.A.(Tor.), Ph.D.(McG.)
R. Harris; B.A.(Oxf.), Ph.D.(Sus.)
J.K.P. Lee; B.Eng., M.Sc., Ph.D.(McG.)
R.B. Moore; B.Eng., M.Sc., Ph.D.(McG.)
P.M. Patel; B.Sc., M.Sc.(Manc.), Ph.D.(Harv.)

Professors
J. Brandenberger; Dip.(ETH), A.M., Ph.D.(Harv.) (Canada Research Chair)
J. Cline; B.S.(Harvey Mudd), M.Sc., Ph.D.(Cal. Tech.)
F. Corriveau; B.Sc.(Laval), M.Sc.(Br. Col.), Ph.D.(ETH)
C. Gale; B.Sc.(Ott.), M.Sc., Ph.D.(McG.) (James McGill Professor)
M. Grant; B.Sc.(PEI), M.Sc., Ph.D.(Tor.), F.R.S.C. (James McGill Professor)
P. Grutter; Dip., Ph.D.(Basel), F.R.S.C. (James McGill Professor)
H. Guo; B.Sc.(Sichuan), M.Sc., Ph.D.(Pitt), F.R.S.C. (James McGill Professor)
D. Hanna; B.Sc.(McG.), A.M., Ph.D.(Harv.) (Macdonald Professor of Physics)
V. Kaspi; B.Sc.(McG.), M.A., Ph.D.(Princ.), F.R.S.C. (Canada Research Chair) (Lorne Trottier Chair in Astrophysics and Cosmology)
S. Lovejoy; B.Sc.(Camb.), Ph.D.(McG.)
Profsessors

K. Ragan; B.Sc.(Alta.), Ph.D.(Geneva) (*Macdonald Professor of Physics*)
D.H. Ryan; B.A., Ph.D.(Dub.)
M. Sutton; B.Sc., M.Sc., Ph.D.(Tor.) (*Rutherford Chair in Physics*)

Associate Professors

A. Clerk; B.Sc.(Tor.), Ph.D.(C’nell) (*Canada Research Chair*)
A. Cumming; B.A.(Camb.), Ph.D.(Calif., Berk.)
K. Dasgupta; M.Sc., Ph.D.(TIFR)
G. Gervais; B.Sc.(Sher.), M.Sc.(McM.), Ph.D.(N’western)
M. Hilke; B.Sc., M.Sc., Ph.D.(Geneva)
G. Holder; B.Sc., M.Sc.(Qu.), Ph.D.(Chic.) (*Canada Research Chair*)
S. Jeon; B.Sc.(Seoul National), M.Sc., Ph.D.(Wash.)
G. Moore; B.S.(Harvey Mudd), Ph.D.(Princ.)
S. Robertson; B.Sc.(Calg.), M.Sc., Ph.D.(Vic., BC)
R. Rutledge; B.Sc.(USC), Ph.D.(MIT)
B. Vachon; B.Sc.(McG.), Ph.D.(Vic., BC) (*Canada Research Chair*)
A. Warburton; B.Sc.(Vic., BC), M.Sc., Ph.D.(Tor.)
P. Wiseman; B.Sc.(St. FX), Ph.D.(W. Ont.) (*joint appt. with Chemistry*)

Assistant Professors

B. Coish; Ph.D.(Basel)
D. Cooke; Ph.D.(Alta.)
M. Dobbs; B.Sc.(McG.), Ph.D.(Vic., BC) (*Canada Research Chair*)
P. Francois; Ph.D.(Paris VII)
A. Maloney; B.S., M.S.(Stan.), Ph.D.(Harv.) (*William Dawson Scholar*)
T. Pereg-Barnea; Ph.D.(Br. Col.)
W. Reisner; B.A.(Reed), Ph.D.(Princ.)
B. Siwick; B.Sc., M.Sc., Ph.D.(Tor.) (*Canada Research Chair*) (*joint appt. with Chemistry*)
J. Walcher; Dip., Ph.D.(ETH) (*joint appt. with Mathematics*)
T. Webb; B.Sc.(Tor.), M.Sc.(McM.), Ph.D.(Tor.)

Lecturers

Z. Altounian, F. Buchinger

Associate Members


Adjunct Professors


27.11.8.5 Master of Science (M.Sc.); Physics (Thesis) (45 credits)

Thesis Courses (30 credits)
Complementary Courses (15 credits)

12 credits at the 500, 600, or 700 level.

3 credits at the 600 or 700 level:

Students with an appropriate background may request Departmental permission to substitute up to 6 credits chosen from the following courses:

- PHYS 691: Thesis Preparation (3 credits)
- PHYS 693: M.Sc. Research (3 credits)

Students must also successfully complete all the other normal requirements of Graduate and Postdoctoral Studies.

27.11.8.6 Doctor of Philosophy (Ph.D.); Physics

Thesis

Required Courses

Candidates must successfully complete two 3-credit graduate courses at the 600 level or above; one of these courses should be in the candidate's area of specialization. If the candidate completed two or more courses at the 600 level as part of the McGill Physics M.Sc. program, then one of these courses may be used as a substitute for one of the required courses. In all cases, candidates must also pass the Ph.D. preliminary examination (PHYS 700).

- PHYS 700: Preliminary Ph.D. Examination (0 credits)

27.11.9 Psychology

27.11.9.1 Location

Stewart Biological Sciences Building, Room W8/33A
1205 Dr. Penfield Avenue
Montreal, QC H3A 1B1
Canada

Telephone: 514-398-6124 / 514-398-6100
Fax: 514-398-4896
Email: gradsec@ego.psych.mcgill.ca
Website: www.psych.mcgill.ca

27.11.9.2 About Psychology

The aim of the Experimental program is to provide students with an environment in which they are free to develop skills and expertise that will serve during a professional career of teaching and research as a psychologist. Coursework and other requirements are at a minimum. Success in the program depends on the student's ability to organize unscheduled time for self education. Continuous involvement in research planning and execution is considered a very important component of the student's activities. Students are normally expected to do both master's and doctoral study.

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage - students undergo formal evaluation in the Ph.D. program.

The Clinical program adheres to the scientist practitioner model and as such is designed to train students for careers in university teaching or clinical research, and for service careers – working with children or adults in a hospital, clinical, or educational setting. Most of our clinical graduates combine service and research roles. While there are necessarily many more course requirements than in the Experimental program, the emphasis is again on research training. There is no master's program in Clinical Psychology; students are expected to complete the full program leading to a doctoral degree.

Research interests of members of the Psychology Department include animal learning, behavioural neuroscience, clinical, child development, cognitive science, health psychology, psychology of language, perception, quantitative psychology, social psychology, and personality psychology.

Facilities for advanced research in a variety of fields are available within the Department itself. In addition, arrangements exist with the Departments of Psychology at the Montreal Neurological Institute, Allan Memorial Institute, Douglas Hospital, Jewish General Hospital, Montreal Children's Hospital, and the Montreal General Hospital, to permit graduate students to undertake research in a hospital setting.

For full information about all programs and financial aid, and for application forms, contact the Graduate Program Coordinator, Department of Psychology.
Ph.D. Option in Language Acquisition (LAP)

Information about this option is available from the Department and at: http://ego.psych.mcgill.ca/lap.html.

Ph.D. Option in Psychosocial Oncology (PSO)

A cross-disciplinary option in Psychosocial Oncology is offered within the existing Ph.D. program in Psychology. Information about this option is available from the Department and at: www.medicine.mcgill.ca/oncology/programs/programs_psychosocialoncology.asp.

Faculty of Arts > Academic Programs > Psychology > section 15.11.21.5: Master of Arts (M.A.); Psychology (Thesis) (45 credits)

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

Faculty of Science > Academic Programs > Psychology > section 27.11.9.5: Master of Science (M.Sc.); Psychology (Thesis) (45 credits)

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical methods as used in psychological research. Candidates will be expected to have an understanding of the main lines of current work in areas other than their own field of specialization.

section 15.11.21.6: Doctor of Philosophy (Ph.D.); Psychology

Please contact the Department for more information about this program.

section 15.11.21.7: Doctor of Philosophy (Ph.D.); Psychology — Language Acquisition

This unique interdisciplinary program focuses on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition Program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology.

section 15.11.21.8: Doctor of Philosophy (Ph.D.); Psychology — Psychosocial Oncology

The Department of Oncology, in conjunction with the School of Nursing, the Department of Psychology and the School of Social Work, has developed the cross-disciplinary Psychosocial Oncology Option (PSOO). This option is open to doctoral students in the School of Nursing and in the Department of Psychology who are interested in broadening their knowledge of psychosocial issues in oncology.

27.11.9.3 Psychology Admission Requirements and Application Procedures

27.11.9.3.1 Admission Requirements

Admission to the graduate program depends on an evaluation of students' research interests and their aptitude for original contributions to knowledge and, if applicable, for professional contributions in the applied field.

The usual requirement for admission is an honours or majors degree (B.A. or B.Sc.) in Psychology. This usually includes an introductory course plus twelve courses in psychology (each equivalent to three term hours). Courses in experimental psychology, the theoretical development of modern ideas in psychology, and statistical methods as applied to psychological problems (equivalent to an introductory course) are essential. Applicants' knowledge of relevant biological, physical, and social sciences is considered.

Applicants who hold a bachelor's degree but who have not met these usual requirements should consult the Graduate Program Director to determine which (if any) courses must be completed before an application can be considered. Students with insufficient preparation for graduate work may register as Special students (undergraduate level) in the Faculty of Arts or the Faculty of Science, and follow an appropriate course of study. Such registration requires the permission of the Department but carries no advantage with respect to a student's eventual admission to graduate studies.

27.11.9.3.2 Application Procedures

Dates for Guaranteed Consideration

For dates for guaranteed consideration, please consult the following website: www.mcgill.ca/gradapplicants/programs. Then select the appropriate program.

Please take note that we no longer distribute paper applications. The following items must be submitted to apply to our program:

2. application fee of CAD$100, by credit card only;
3. a completed Psychology summary sheet;
4. transcripts – two official copies (sent directly from your university);
5. letters of recommendation – three letters of recommendation on institution letterhead with original signatures must be provided. There are no forms for these letters. Please remind your recommenders to include your FULL NAME on all letters;
6. Graduate Record Examination (GRE) – official reports and a photocopy of scores on the General and Subject GRE. Applicants with little or no background in psychology are not required to submit scores on the subject component of the GRE. We highly recommend to all other students to submit scores on the subject component of the GRE. If you did not take the GRE subject test and are accepted into the program, you may be asked to take it in April. All applicants must take the GRE if they have studied in an English-speaking university. Canadians who have not studied in an English institution are not
required to submit GRE. Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone) must submit a TOEFL score (www.ets.org/toefl);

7. a personal statement (sent separately or completed on the online application form, “applicant statement”). Describe in as much detail as possible your interests in psychology and your career goals. Also indicate the area of psychology that you want to study (e.g., developmental, social, etc.) and the name of one or more staff members with whom you would like to work.

Supporting documents are submitted directly to the Department of Psychology:

Graduate Admissions
Department of Psychology
McGill University
1205 Dr. Penfield Avenue
Montreal, QC H3A 1B1
Canada

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application dates for guaranteed consideration and that applications for scholarships and fellowships should be submitted through their home university.

27.11.9.4 Psychology Faculty

Chair
David Zuroff

Emeritus Professors
A.S. Bregman; M.A.(Tor.), Ph.D.(Yale)
D. Donderi; B.A., B.Sc.(Chic.), Ph.D.(C'nell)
V. Douglas; B.A.(Qu.), M.A., M.S.W., Ph.D.(Mich.)
A.A.J. Marley; B.Sc.(Birm.), Ph.D.(Penn.)
R. Melzack; B.Sc., M.Sc., Ph.D.(McG.) (E.P. Taylor Emeritus Professor of Psychology)
P. Milner; B.Sc.(Leeds), M.Sc., Ph.D.(McG.)
J.O. Ramsay; B.Ed.(Alta.), Ph.D.(Princ.)

Professors
F.E. Aboud; B.A.(Tor.), M.A., Ph.D.(McG.)
M. Baldwin; B.A.(Tor.), M.A., Ph.D.(Wat.)
I.M. Binik; B.A.(NYU), M.A., Ph.D.(Penn.)
B. Ditto; B.S.(Iowa), Ph.D.(Ind.)
K.B.J. Franklin; B.A., M.A.(Auck.), Ph.D.(Lond.)
F.H. Genesee; B.A.(W. Ont.), M.A., Ph.D.(McG.)
R. Koestner; B.A., Ph.D.(Roch.)
J. Lydon; B.A.(Notre Dame), M.A., Ph.D.(Wat.)
J. Mogil; B.Sc.(Tor.), Ph.D.(Calif.-LA) (E.P. Taylor Professor of Psychology)
D.S. Moskowitz; B.S.(Kirkland), M.A., Ph.D.(Conn.)
Y. Oshima-Takane; B.A.(Tokyo Women’s Christian U.), M.A.(Tokyo), Ph.D.(McG.)
D.J. Ostry; B.A.Sc., M.A.Sc., Ph.D.(Tor.)
C. Palmer; B.Sc.(Mich.), M.Sc.(Rutg.), Ph.D.(C'nell)
M. Petrides; B.Sc., M.Sc.(Lond.), Ph.D.(Cant.)
R.O. Pihl; B.A.(Lawrence), Ph.D.(Ariz.)
B. Sherwin; B.A., M.A., Ph.D.(C'dia) (James McGill Professor)
T.R. Shultz; B.A.(Minn.), Ph.D.(Yale)
**Professors**

M. Sullivan; B.A.(McG), M.A., Ph.D.(C'dia)

Y. Takane; B.L., M.A.(Tokyo), Ph.D.(N. Carolina)

D.M. Taylor; M.A., Ph.D.(W. Ont.)

N. White; B.A.(McG.), M.A., Ph.D.(Pitt.)

D.C. Zuroff; B.A.(Harv.), M.A., Ph.D.(Conn.)

**Associate Professors**

A.G. Baker; B.A.(Br. Col.), M.A., Ph.D.(Dal.)

E.S. Balaban; B.A.(Mich. St.), Ph.D.(Rockefeller)

H. Hwang; B.A.(Chung-Ang), Ph.D.(McG.)

B. Knauper; Dr. phil.(Germany, Mannheim)

D.J. Levitin; A.B.(Stan.), M.S., Ph.D.(Ore.) (*Bell Professor of Psychology and E-Commerce*)

M.J. Mendelson; B.Sc.(McG.), A.M., Ph.D.(Harv.)

K. Nader; B.Sc., Ph.D.(Tor.)

G. O’Driscoll; B.A.(Wellesley), Ph.D.(Harv.) (*William Dawson Scholar*)

K. Onishi; B.A.(Brown), M.A., Ph.D.(Ill.)

M. Pompeiana; M.D., Ph.D.(Pisa)

Z. Rosberger; B.Sc.(McG.), M.A., Ph.D.(C'dia) (*Part-time*)

D. Titone; B.A.(NYU), M.A., Ph.D.(SUNY, Binghamton)

**Assistant Professors**

I. Bradley; B.Sc., M.Sc.(Tor.), Ph.D.(Wat.) (*Part-time*)

Y. Chudasama; B.Sc., Ph.D.(Cardiff)

M. Dirks; B.A.(McM.), M.S., M.Phil., Ph.D.(Yale)

J. Ristic; B.A., M.A., Ph.D.(Br. Col.)

H.-T. Yu; B.S.(Taiwan), M.S., M.A., Ph.D.(Ill.-Urbana-Champaign)

**Lecturers**

R. Amsel, P. Carvajal

**Associate Members**

*Anesthesia:* T. Coderre

*Douglas Hospital Research Centre:* S. King, J. Pruessner, H. Steiger

*Jewish General Hospital:* P. Zelkowitz

*McGill Vision Research Centre:* C. Baker, R. Hess, F.A.A. Kingdom, K. Mullen


*Music:* S. MacAdams

*Psychiatry:* D. Dunkley, M. Leyton, A. Raz

*School of Nursing, Psychiatry:* F. Abbott

**Adjunct Professors**

M. Bruck, S. Bursttein, P. Delisle, P. Gregoire, D. Sookman, P. Zelazo
**Affiliate Member**

L. Kowski (Medicine)

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**Part-Time Appointments**


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**27.11.9.5 Master of Science (M.Sc.); Psychology (Thesis) (45 credits)**

**Thesis Courses (27 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PSYC 690</td>
<td>(15)</td>
<td>Masters Research 1</td>
</tr>
<tr>
<td>PSYC 699</td>
<td>(12)</td>
<td>Masters Research 2</td>
</tr>
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</table>

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course</th>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PSYC 601</td>
<td>(6)</td>
<td>Master's Comprehensive</td>
</tr>
<tr>
<td>PSYC 650</td>
<td>(3)</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>(3)</td>
<td>Advanced Statistics 2</td>
</tr>
<tr>
<td>PSYC 660D1</td>
<td>(3)</td>
<td>Psychology Theory</td>
</tr>
<tr>
<td>PSYC 660D2</td>
<td>(3)</td>
<td>Psychology Theory</td>
</tr>
</tbody>
</table>

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**27.11.9.6 Doctor of Philosophy (Ph.D.); Psychology**

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

**Thesis**

**Required Course (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 701</td>
<td>(6)</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
</tbody>
</table>

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language. However, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's degree then the following courses are also required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 650</td>
<td>(3)</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>(3)</td>
<td>Advanced Statistics 2</td>
</tr>
<tr>
<td>PSYC 660D1</td>
<td>(3)</td>
<td>Psychology Theory</td>
</tr>
<tr>
<td>PSYC 660D2</td>
<td>(3)</td>
<td>Psychology Theory</td>
</tr>
</tbody>
</table>

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**27.11.9.7 Doctor of Philosophy (Ph.D.); Psychology — Language Acquisition**

Students must satisfy all program requirements for the Ph.D. in Psychology. The Ph.D. thesis must be on a topic relating to language acquisition, approved by the LAP committee.

**Thesis**
Required Courses (14 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 711</td>
<td>2</td>
<td>Language Acquisition Issues 3</td>
</tr>
<tr>
<td>LING 710</td>
<td>2</td>
<td>Language Acquisition Issues 2</td>
</tr>
<tr>
<td>PSYC 701</td>
<td>6</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
<tr>
<td>PSYC 709</td>
<td>2</td>
<td>Language Acquisition Issues 1</td>
</tr>
<tr>
<td>SCSD 712</td>
<td>2</td>
<td>Language Acquisition Issues 4</td>
</tr>
</tbody>
</table>

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's degree then the following courses are also required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 650</td>
<td>3</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>3</td>
<td>Advanced Statistics 2</td>
</tr>
<tr>
<td>PSYC 660D1</td>
<td>3</td>
<td>Psychology Theory</td>
</tr>
<tr>
<td>PSYC 660D2</td>
<td>3</td>
<td>Psychology Theory</td>
</tr>
</tbody>
</table>

Complementary Courses (9 credits)

One graduate-level course in statistics, such as:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDPE 676</td>
<td>3</td>
<td>Intermediate Statistics</td>
</tr>
<tr>
<td>EDPE 682</td>
<td>3</td>
<td>Univariate/Multivariate Analysis</td>
</tr>
<tr>
<td>PSYC 650</td>
<td>3</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>3</td>
<td>Advanced Statistics 2</td>
</tr>
</tbody>
</table>

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

Two courses selected from the following list, at least one course must be outside the Department of Psychology:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDSL 620</td>
<td>3</td>
<td>Critical Issues in Second Language Education</td>
</tr>
<tr>
<td>EDSL 623</td>
<td>3</td>
<td>Second Language Learning</td>
</tr>
<tr>
<td>EDSL 624</td>
<td>3</td>
<td>Educational Sociolinguistics</td>
</tr>
<tr>
<td>EDSL 627</td>
<td>3</td>
<td>Classroom-Centred Second Language Research</td>
</tr>
<tr>
<td>EDSL 629</td>
<td>3</td>
<td>Second Language Assessment</td>
</tr>
<tr>
<td>EDSL 632</td>
<td>3</td>
<td>Second Language Literacy Development</td>
</tr>
<tr>
<td>EDSL 664</td>
<td>3</td>
<td>Second Language Research Methods</td>
</tr>
<tr>
<td>LING 555</td>
<td>3</td>
<td>Language Acquisition 2</td>
</tr>
<tr>
<td>LING 590</td>
<td>3</td>
<td>Language Acquisition and Breakdown</td>
</tr>
<tr>
<td>LING 651</td>
<td>3</td>
<td>Topics in Acquisition of Phonology</td>
</tr>
<tr>
<td>LING 655</td>
<td>3</td>
<td>Theory of L2 Acquisition</td>
</tr>
<tr>
<td>LING 755</td>
<td>3</td>
<td>Advanced Seminar: Language Acquisition</td>
</tr>
<tr>
<td>PSYC 734</td>
<td>3</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>PSYC 735</td>
<td>3</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>Course Code</td>
<td>Credits</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>PSYC 736</td>
<td>3</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>PSYC 737</td>
<td>3</td>
<td>Developmental Psychology and Language</td>
</tr>
<tr>
<td>SCSD 619</td>
<td>3</td>
<td>Phonological Development</td>
</tr>
<tr>
<td>SCSD 632</td>
<td>3</td>
<td>Phonological Disorders: Children</td>
</tr>
<tr>
<td>SCSD 633</td>
<td>3</td>
<td>Language Development</td>
</tr>
<tr>
<td>SCSD 637</td>
<td>3</td>
<td>Developmental Language Disorders 1</td>
</tr>
<tr>
<td>SCSD 643</td>
<td>3</td>
<td>Developmental Language Disorders 2</td>
</tr>
<tr>
<td>SCSD 652</td>
<td>3</td>
<td>Advanced Research Seminar 1</td>
</tr>
<tr>
<td>SCSD 653</td>
<td>3</td>
<td>Advanced Research Seminar 2</td>
</tr>
</tbody>
</table>

### 27.11.9.8 Doctor of Philosophy (Ph.D.); Psychology — Psychosocial Oncology

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the PSO coordinating committee.

#### Thesis

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUR2 705</td>
<td>3</td>
<td>Palliative Care</td>
</tr>
<tr>
<td>NUR2 783</td>
<td>3</td>
<td>Psychosocial Oncology Research</td>
</tr>
<tr>
<td>PSYC 701</td>
<td>6</td>
<td>Doctoral Comprehensive Examination</td>
</tr>
</tbody>
</table>

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 710 to PSYC 758.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language, however, all students planning on practicing clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill Master's then the following courses are also required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 650</td>
<td>3</td>
<td>Advanced Statistics 1</td>
</tr>
<tr>
<td>PSYC 651</td>
<td>3</td>
<td>Advanced Statistics 2</td>
</tr>
<tr>
<td>PSYC 660D1</td>
<td>3</td>
<td>Psychology Theory</td>
</tr>
<tr>
<td>PSYC 660D2</td>
<td>3</td>
<td>Psychology Theory</td>
</tr>
</tbody>
</table>

#### Complementary Course (3 credits)

One of the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSYC 507</td>
<td>3</td>
<td>Emotions, Stress, and Illness</td>
</tr>
<tr>
<td>PSYC 753</td>
<td>3</td>
<td>Health Psychology Seminar 1</td>
</tr>
<tr>
<td>SWRK 609</td>
<td>3</td>
<td>Understanding Social Care</td>
</tr>
<tr>
<td>SWRK 668</td>
<td>3</td>
<td>Living with Illness, Loss and Bereavement</td>
</tr>
</tbody>
</table>

### 27.11.10 Redpath Museum

#### 27.11.10.1 Location

Redpath Museum  
859 Sherbrooke Street West  
Montreal, QC H3A 2K6  
Canada
27.11.10.2 About Redpath Museum

The Redpath Museum is an institution with extensive collections of ancient and modern organisms, minerals, and ethnological artifacts. It is a unique interdisciplinary unit within the Faculty of Science offering graduate training in research devoted to biosystematics, ecology, conservation biology, and evolutionary biology, leading to M.Sc. and Ph.D. degrees. Research and teaching is centred on collections-based study, object-oriented investigation, and fieldwork. The Museum also has labs that are equipped for graduate research in both the Redpath Museum building and the Stewart Biology building.

27.11.10.3 Redpath Museum Admission Requirements and Application Procedures

27.11.10.3.1 Admission Requirements

The Redpath Museum does not have its own graduate program. All graduate students of the professors in the Redpath Museum have home departments in either Biology, Earth and Planetary Sciences, Anthropology, Natural Resource Sciences, or Education. Admission requirements are subject to those home departments' regulations.

27.11.10.3.2 Application Procedures

Students in the Redpath Museum may enrol in McGill's Department of Biology or other units, including the Department of Earth and Planetary Sciences, the Department of Anthropology, the Department of Natural Resource Sciences, or the Faculty of Education. Anyone interested should contact the unit concerned.

27.11.10.4 Redpath Museum Faculty

**Director**

David M. Green

**Emeritus Professor**

Robert L. Carroll; B.Sc.(Mich.), Ph.D.(Harv.), F.R.S.C., F.L.S.

**Professor**

David M. Green; B.Sc.(Br. Col.), M.Sc., Ph.D.(Guelph), F.L.S.

**Associate Professors**

Andrew Hendry; B.Sc.(Vic., BC), M.Sc., Ph.D.(Wash.) (*joint appt. with Biology*)

Hans C.E. Larsson; B.Sc.(McG.), Ph.D.(Chic.) (*CRC Tier 2 Chair in Paleontology*)

Anthony Ricciardi; B.Sc.(Agr.), M.Sc., Ph.D.(McG.) (*joint appt. with MSE*)

**Assistant Professors**

Claire de Mazancourt; M.Sc.(École des Mines), DEA, Ph.D.(Paris VI)

Virginie Millien; Maîtrise(Paris VI), DEA, Ph.D.(Montpellier II)

**Faculty Lecturer**

Linda Cooper; B.A.(C’dia), M.A.(McM.)

**Associate Members**

Biology: Graham A.C. Bell, Lauren Chapman

Earth & Planetary Sciences: Jeanne Paquette

McGill School of Environment: Colin Chapman

**Adjunct Professors**

Robert Holmes, Henry M. Reiswig, Michael Woloch