



McGill



# COURSE CATALOGUE

Programs, Courses, and University Regulations

Graduate and Postdoctoral  
2026–2027

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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

The University Regulations section of this Course Catalogue contains important details that you will need during your studies at McGill and should be consulted periodically, along with other sections and related publications. You will find information related to such topics as: general policies, personal information, registration, fees, student records, examinations, student services, and much more.

The details included in this Course Catalogue apply to the **2026–2027** academic year and are subject to change (see disclaimer (p. 1)).

Select a category from the menu to find out more.

## Graduate

The University Regulations and Resources section of this Course Catalogue contains important details that you will need during your studies at McGill and should be consulted periodically, along with other sections and related publications. You will find information related to such topics as: general policies, personal information, registration, fees, student records, examinations, student services, and much more.

Select a topic to find out more.

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## Regulations

You must inform yourself of University rules and regulations and keep abreast of any changes that may occur. The following sections of this Course Catalogue contain important details needed by you during your studies at McGill and should be periodically consulted, along with other sections and related publications.

## McGill Modalities of Instruction

**By default, and unless otherwise specified, the modality of instruction for McGill credit courses is via in-person learning**, in which students are expected to physically attend the course activities in person to achieve the learning outcomes.

Other modalities of instruction:

- **Asynchronous:** teaching and learning materials/activities prepared in advance that students can access at a time of their choosing, which in some cases, may be within a designated time frame.
- **Blended learning (or blended course):** teaching and learning activities made up of a combination of online and in-person course activities, both of which are necessary for students to achieve the learning outcomes of the course.
- **Distance learning (or distance education):** refers to students learning at a distance from their instructor, which assumes students are physically located off campus. This is often used interchangeably with online learning but may also apply to other situations.
- **Hybrid learning (or hyflex):** teaching activities in which some students are physically present and others attend online at the same time, with all students having the same learning opportunities to participate and engage with the learning activities.
- **Online learning (or online course):** teaching and learning activities that have been designed so that all learning outcomes can be achieved using online tools; therefore a student's physical presence on campus is not necessary to achieve the learning outcomes.
- **Remote delivery (or remote instruction):** a situational need to deliver a course online that would normally be delivered in person (as was the case during the COVID-19 pandemic), sometimes requiring the implementation of additional technologies on an ad-hoc basis.
- **Synchronous:** refers to scheduled teaching activities that involve active or live teaching and learning, whether online or in person.

Note: the listed modalities are normally invoked for the entire class; it is not permissible for an alternate modality to be invoked for an individual student (e.g., as an ad-hoc accommodation), though it may be invoked

for a subset of students in a class if planned as part of the learning outcomes and thereby stated explicitly in the course outline.

## 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 Course Catalogues 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.

## Student Rights and Responsibilities

Student Rights and Conduct is a site produced jointly by the Office of the Dean of Students and the Secretariat. It contains regulations and policies governing your rights and responsibilities as a student at McGill.

Further details regarding your rights and responsibilities are also available on the McGill Secretariat website.

## 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 St., Suite 2100  
Montréal, QC H3A 0G3

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

## Office of the Executive Director, Services for Students

William and Mary Brown Student Services Building  
3600 McTavish St., Suite 4100  
Montréal, QC H3A 0G3

Telephone: 514-398-8238  
Website: mcgill.ca/studentsservices

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.

## 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 Québec.

McGill University was a founding member of the organization that evolved into Universities Canada and remains an active member university to this day. 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 Government of Québec.

## Categories of Students

You must inform yourself 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 you during your 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 non-thesis 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 toward 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 coursework, seminars, discussions, etc., with staff and 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:

- be so for an even number of half-time terms (i.e., two half-time terms equal one full-time term); and
- fulfil the minimum residence requirement in their program.

### Part-Time Students

Certain degree programs can be followed on a 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 toward 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.

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 pay 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 doctoral programs, 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 coursework and comprehensive examinations will have been completed and students 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.

## 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 must register on Minerva in order for their registration status to be updated to "Thesis Evaluation". All students are required to stay registered and pay the associated fees up until the term of graduation. The registration status will be updated to "Thesis Evaluation" for all subsequent terms until the term of the final thesis submission. Students in thesis programs whose initial thesis and final 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;
- eligible for University services;
- eligible for funding;
- eligible for a T2202 tax slip crediting the months for which they are registered and any ancillary fees charged.

Students in "Thesis Evaluation" status are not permitted to register for courses. Students who still need to take courses to fulfill the program requirements after submitting their initial thesis will remain registered in additional session status and pay associated fees.

## Qualifying Students

Students admitted to a Qualifying program are known as Qualifying Students for a Master's. They must meet the application and admission requirements indicated by the chosen graduate department and the Graduate Admissions Unit of Enrolment Services. The courses taken during a Qualifying year will not be credited toward 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.

## 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.**

## 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 toward 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 using Quebec Inter-University Transfer forms. These forms are available online at [mcgill.ca/students/iut](http://mcgill.ca/students/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.

## Graduate Research Trainee Eligibility

If you are enrolled in a graduate program at another university and would like to attend McGill for a period of 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 their 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.

## 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 and include a letter of permission with their application;
- must have the approval of a McGill professor and graduate program to supervise their research;
- may apply for a start date throughout the academic year, but for administrative reasons, must reapply at the beginning of the formal academic year (for Fall term admission) if remaining at McGill; for example, if you begin a 12-month visit in January, you must reapply for the Fall term (September). A trainee may spend up to a maximum of 12 months at McGill, but the time does not have to be consecutive. The trainee can apply for multiple stages over a period of time that does not exceed 12 months;
- must include copies of 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;
- are not charged fees for any term of registration including Summer;
- are not charged any Student Services or Ancillary fees and thus do not have access to these services (including health insurance). 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.

To submit an application refer to: [mcgill.ca/gps/students/graduate-research-trainee](http://mcgill.ca/gps/students/graduate-research-trainee).

## Non-Resident Exchange Status

The status of "non-resident" is only applicable to students participating in a formal exchange program, in which McGill has signed an exchange agreement with a partner institution. The student must register and will be charged full-time tuition including other student-related fees at McGill.

## Medical Residents

Residents and fellows on staff of teaching hospitals associated with the University are included in Graduate and Postdoctoral Studies statistics. In the event that residents and fellows wish to take courses at the graduate level, they must apply for admission as Special Students, or apply to a degree program, graduate diploma, or certificate.

## 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 enrol 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 a graduate program in academic units other than their own. Enrolment Services 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 toward the proposed degree.

## Quebec Inter-University Transfer

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

## McGill Students

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 3—or in some cases 6—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. Your combined registration may not, however, exceed the total number of credits you are permitted to complete in a given term. 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



to qualify for a McGill degree (please 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 your 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. You may find additional information posted on 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 approved course. 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 of 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.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** If you participate in any type of study away or exchange (including Quebec Inter-University Transfer) during your final (U3) term—even if you are taking only one course outside of McGill—you will not be able to graduate by the end of this final term and must change your graduation to the following term.

**Note for Engineering:** For most programs, courses that can be taken through the IUT agreement are restricted to specific course categories. For details, please see the Faculty of Engineering's Study Away page.

**Note for Nursing:** The final grades earned at the host university must meet the minimum requirements as set by the Ingram School of Nursing, i.e., a letter grade of 'C'.

**Note for Physical and Occupational Therapy:** The final grades earned at the host university must meet the minimum requirements as set by the Physical Therapy or Occupational Therapy programs.

## Visiting IUT Students

**Note for Health Sciences:** This section applies only to the Ingram School of Nursing.

If you are a student at another Quebec university and wish to take courses at McGill using the Quebec Inter-University Transfer (IUT) agreement, you must initiate an online application to request the required authorizations. You should also refer to your home university's 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 approved course. At McGill, you must register in Minerva. Once your application has been approved, you will be informed via email of the necessary registration steps. **You must allow sufficient time to complete and submit your electronic application, as you are responsible for adhering to all of McGill's registration deadlines.** If you later decide to drop or withdraw from the approved course(s), you will need to drop or withdraw from the course in Minerva **and** submit this change to the online Quebec Inter-University Transfer (IUT) application.

**Note for Engineering:** Summer courses administered by the Faculty of Engineering are open to McGill students only.

**Note for Continuing Studies:** If you are a Visiting IUT student and your application has been approved, you must register in-person, by appointment only.

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

## Registration

You must inform yourself 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.

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

All returning and new graduate students must register online at [mcgill.ca/minerva](http://mcgill.ca/minerva). It is your responsibility to obtain departmental approval before registering on Minerva.

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

## Returning Students

Returning students register via Minerva between May 27 and August 14, 2026.

## Newly Admitted Students

New students entering in **Fall 2026** register via Minerva between June 10 and August 15, 2025.

New students entering in **Winter 2027** register via Minerva between December 1, 2026 and January 5, 2027.

**Note:** 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, however, be charged a late registration fee. **To avoid the late registration fee, students must access Minerva and register for REGN RCGR (the Registration Confirmation course) in both the Fall (CRN 268) and Winter (CRN 173) terms.** New and readmitted students entering in January 2026 only need to register for REGN RCGR in the Winter (CRN 173) term.

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

You 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 with outstanding fees who graduates in February will have their Winter registration and fees cancelled at the end of February.

## Summer Registration

Detailed summer registration information will be available in the middle of March in individual departments and at [mcgill.ca/gps/students/registration/dates](http://mcgill.ca/gps/students/registration/dates).

Students taking summer courses register in Minerva, respecting Graduate and Postdoctoral Studies deadlines.

## Summer Term of Residency

Students in thesis programs who wish to register for a Summer term **to count as part of their residency 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 Residency can get a 100% refund (less \$200 minimum or registration deposit if applicable) up to and including the May 15 withdrawal date. Students in thesis programs, who are continuing in their programs at the end of the Winter term, are expected to devote the summer to research and are considered "Continuing Students."

## 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 (i.e. add/drop deadline) coincides with the deadline for late registration. See [mcgill.ca/importantdates](http://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 exceptionally only with written permission of the instructor and your department, and the approval of Enrolment Services. A fee will be charged for each course you add.

## Fee Policies Related to Registration

Refer to the Fees (p. 57) section; particular attention should be paid to Fees and Withdrawal from the University (p. 59).

## 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 with the payment of a **late registration fee**.

**Returning Students:** You may register late via Minerva from August 15 until and including September 15, 2026.

**New and Readmitted Students (Fall):** You may register late via Minerva from August 15 until and including September 15, 2026.

**New and Readmitted Students (Winter):** You may register late via Minerva from January 6 until and including January 19, 2027.

**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. This information is included with your letter of acceptance.

## Courses Taken as an Admission Requirement

Courses taken as an admission requirement are undergraduate-level course(s) (400-level or lower) which are named as a prerequisite or admission requirement in the Offer of Admission letter and/or indicated in the "additional admission remark" section of the letter from the accepting department. Admission requirement courses must be successfully completed within the first year of graduate study as per conditions outlined in the Offer of Admission.

The course will be designated an "admission requirement" at the time of registration and on your transcript. The grade earned will **not** be included in your grade point average (GPA) calculations, and credits earned will **not** count towards the credits necessary for your graduate degree. You must pass this course according to the grade scale used at the undergraduate level in the Faculty offering the course, unless the Offer of Admission specifies an alternate required grade. A failure will **not** fall under the Graduate Failure Policy.

## 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 in Minerva. Please see [mcgill.ca/importantdates](http://mcgill.ca/importantdates) for deadlines.

Non-credit general interest or language courses cannot be added directly by you. You may register for these courses in person at the SCS Client Services Desk, where the course(s) will be added to their record as "**Extra**" to their program and course fees will be charged.

## Courses Taken as Extra to a Program

In certain rare cases, you may choose to take a course outside of your program's coursework requirements. This course would be classified as "extra" (display as "RX" at the time of registration, and "E-Extra"

once the course is graded) on your transcript, and the grade earned in that course **will not be included** in your grade point average (GPA) calculation. **You will be charged additional tuition fees for a course classified as “extra”** and are responsible for paying them with the exception of those eligible for a Graphos tuition sponsorship (see below for details). To have a course flagged as “extra” in a given term, you must submit a Request for Registration/Course Changes form by the add/drop deadline of that term. A course cannot be flagged as “extra” after the add/drop deadline and under no circumstances after the course has been completed. A course flagged as “extra” cannot be unflagged to count towards your program after the add/drop deadline.

## Graphos Scholarly Communication Courses

The McGill Writing Centre offers several credit courses in scholarly communication. Most of these courses form part of the Graphos program for graduate students and postdoctoral fellows. Graphos courses are not counted toward the requirements of a graduate program (the sole exception being the non-thesis Master's program in Second Language Education).

### Notes:

- All Graphos courses are **pass/fail**.
- Thanks to a sponsorship program, nearly all doctoral students and master's thesis students are eligible to take Graphos courses **at no extra cost, provided that they remain in the course (i.e., do not withdraw) and submit all required assignments**. If you are in "Thesis Evaluation" status (i.e., Thesis Evaluation Students), you are not eligible for sponsorship; you can register as a "Special Student" but would be responsible for the course fees. If you are otherwise eligible but your tuition is already externally sponsored by another entity, please contact [graphos@mcgill.ca](mailto:graphos@mcgill.ca) to see if any extra steps are necessary for course sponsorship.
- Since these courses follow a particular schedule with different start and end dates, **the Graphos add/drop and withdrawal (with and without refund) dates are often earlier than the standard University dates for full term courses** and vary based on the start date of the course.
- Graphos courses are exempt from the "J" grade assignment percentage policy set out in the University Student Assessment Policy (see 3.1.7).
- Before registering, please consult the Graphos website for further details.

## 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 the Graduate Admissions Committee (composed of the Dean and Associate Deans of Graduate and Postdoctoral Studies) and in consultation with the Graduate Admissions Unit of Enrolment Services. 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 the Graduate Admissions Committee and the Graduate Admissions Unit of Enrolment Services before a student in this category will be permitted to register.

## 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.

### Courses that begin in the Fall 2026 Term

Deadline for withdrawal (grade of W) *with* refund:

- Tuesday, September 22, 2026

Deadlines for withdrawal (grade of W) *without* refund:

- Single-term courses: Tuesday, October 27, 2026
- Multi-term courses that begin in Fall term (**refund for the Winter portion of the course only**): Tuesday, January 19, 2027

### Courses that begin in the Winter 2027 Term

Deadline for withdrawal (grade of W) *with* refund:

- Tuesday, January 26, 2027

Deadline for withdrawal (grade of W) *without* refund:

- Single-term courses: Tuesday, February 23, 2027
- Multi-term courses that begin in Winter term (**refund for the Summer or later portion of the course only**): May 15, 2027

After the withdrawal (without refund) deadline but before the end of 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 advisor, 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 on the Schulich School of Music page.
2. It is solely your responsibility to initiate a course withdrawal in Minerva. Neither notification of the course instructor nor discontinuing class attendance is sufficient. The date on which you withdraw in 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 Fees and Withdrawal from the University.
5. Withdrawing from one or more courses during the term may—where applicable—affect your government aid and/or McGill's

Work Study Program eligibility. For international students, it may also impact your immigration status and/or permission to work in Canada. Please ensure that you are aware of any consequences related to the course withdrawal request; consult with the Scholarships and Student Aid Office, International Student Services, and/or your faculty Student Affairs Office, where relevant.

**Note for the School of Human Nutrition:** Intensive internship courses, like Professional Practice (*Stage*) in Dietetics, may have different start dates and withdrawal dates than other courses. You should consult the course outline.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made through Service Point. However, it is important that you also consult a Faculty advisor to talk about your options and the effects that your request may have on your studies. For more information, see [mcgill.ca/students/advising](http://mcgill.ca/students/advising).

**Note for the Faculty of Law:** You are encouraged to meet with a student advisor before withdrawing from a course (without refund).

**Note for Graduate and Postdoctoral Studies:** To add/drop/withdraw a course after the deadline has passed, you must submit a course change Request form, available at Student Records Forms, to your department. If the department supports the request, the department will forward the request to the Student Records Office, Enrolment Services, along with the recommendation from the department Graduate Program Director (GPD).

Graduate students who wish to withdraw from McGill should consult University Withdrawal, and submit a "Request for a University Withdrawal" form, available at Student Records Forms. Please note that this form is sent to the Student Records Office, Enrolment Services.

**Note for Health Sciences:** Withdrawal (W) deadline dates are listed at [mcgill.ca/importantdates](http://mcgill.ca/importantdates). The health profession programs described in this Course Catalogue are highly structured and students should consult their advisor or Student Affairs Office to determine what course changes, if any, are allowed.

1. To withdraw from required or complementary courses after the withdrawal (without refund) deadline, you may need to obtain permission from your advisor, and you must fill out and submit a course withdrawal form, available from your faculty Student Affairs Office. (Note 1 is not applicable to Medicine, Dentistry, and Nursing. For information, you should refer to your Faculty/School section in this publication).
2. It is solely your responsibility to initiate a course withdrawal in Minerva. Neither notification of the course instructor nor discontinuing class attendance is sufficient. The date on which you withdraw in 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 (see deadlines above). 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 Fees and Withdrawal from the University.

**Note for Ingram School of Nursing:** To withdraw from any courses after the withdrawal (without refund) deadline, you need to obtain

permission from your Program Director. To do so, submit a formal request by email to the Ingram School of Nursing Student Affairs Office along with proper documentation to support this request.

**Note for School of Physical and Occupational Therapy:** The Physical Therapy and Occupational Therapy programs are highly structured and you must receive the approval of the Program Director to determine what course changes, if any, are allowed. You can consult the Student Affairs Office for information on policies and procedures.

If you are blocked from withdrawing from a required course on Minerva, and have permission to do so, you must contact the Student Affairs Office.

**Note for M.D.,C.M. program:** Course changes are not permitted and withdrawals are only permitted when the student is on an approved leave of absence from the program.

## Withdrawal from a Degree Program

You are withdrawn from the program if you have failed two courses for your program, or you failed the comprehensive examination. You may be withdrawn from the program if your progress is not satisfactory. Please see Failure Policy (p. 37).

Any student who withdraws from the University **must complete a Request for a University Withdrawal form** available at [mcgill.ca/student-records/forms](http://mcgill.ca/student-records/forms). Fees will then be refunded according to the conditions outlined in Course Change Period (p. 16) and in the Course Withdrawal section above.

## Course Information and Regulations

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. Students preparing to register are advised to consult the Minerva Class Schedule for the most up-to-date information on courses to be offered.

Not all courses listed are offered every year.

**Note for Graduate Studies:** You are advised to also refer to Registration (p. 15) and Student Records (p. 23).

**Note for Health Sciences:** For information, you should refer to your Faculty/School section in this publication.

**Note for Summer Studies:** Refer to Student Types and Registration Procedures and Student Records.

## Course Numbering

Each McGill course is assigned a unique seven-character course code. For pre-2002 course numbers, please refer to the Student Records Transcript Key site.

**The first four characters** (subject code) refer to the unit offering the course or discipline of study covered by the course.

**The three numbers following the subject code** refer to the course number, 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 and 400 levels are normally taken in your 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 levels 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 identify multi-term courses.

## 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 covered in a single term, or that 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 suffix.

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 are equivalent in all modes; the only difference is the scheduling. You cannot obtain credit for more than one version of the same course.

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

**Courses with numbers ending in N1 and N2** are taught in two non-consecutive terms (ex.: Winter and Fall). *You must register for the same section of both the N1 and N2 components.* No credit will be given unless the same section of 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. *You must register for the same section of all three components (J1, J2, J3).* No credit will be given unless the same section of all three components are successfully completed in *consecutive* terms.

**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 the case of Fall/Winter D1/D2 courses, attempting to change section in Winter may result in an inadvertent withdrawal (W) from the D1 course, and reinstatement in the D1/D2 course will result in you being charged administrative fees.

## Important Conditions for Multi-Term Courses

1. You must be registered for each component of the multi-term course. You must ensure that you are registered in the same section number in each term of the multi-term course.

2. You 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 partial credit is given, i.e., for completing only one component of a D1/D2 or N1/N2 course, or one to two components of a J1/J2/J3 course.

## Course Terminology

**Prerequisite:** Course A is prerequisite to course B if a satisfactory pass in course A is required for enrollment in 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 further information, refer to the Credit System page.

## Course Nomenclature in Program Descriptions

**Required Courses:** Mandatory courses that must be completed to fulfil the requirements of a program (major, minor, etc. at the undergraduate level or specific courses at the graduate level), 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 fulfilment of 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 Enrolment Services.

## Auditing of Courses

McGill does not permit auditing of courses.

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

The Minerva class schedule for the upcoming Fall and Winter terms normally becomes available in May, two weeks prior to the opening of registration. The Summer term schedule is normally published in early February.

The class schedule includes the days and times when courses are offered, class locations, names of instructors, and related information. You should take note of any preregistration requirements for your desired courses such as prerequisite courses, placement tests, or departmental approval/permission requirements.

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

The last day of classes in a term varies according to a course's schedule pattern (ex., Mon-Wed-Fri, Tues-Thurs, etc.). You may verify this and other details on the [Important Dates for Students](#) website.

**Note for Health Sciences:** For information, you should refer to your Faculty/School section in this publication. This section is not applicable to M.D./C.M. students; refer to the Undergraduate Medical Education site.

## Visual Schedule Builder

Once you have selected some courses from the class schedule, try Visual Schedule Builder (VSB) to view your possible class schedules in an easy-to-read weekly schedule format. You cannot currently use VSB to register but you can copy your choice of course reference numbers (CRNs) from VSB for registration in Minerva.

## University Withdrawal

If you are considering withdrawing from the University, you are strongly encouraged to consult with a Faculty advisor at your Student Affairs Office before making a final decision.

### Student's Responsibility

It is solely your responsibility to initiate University withdrawal by submitting a form or writing to your Student Affairs Office. Neither notifying 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 Faculty of Agricultural and Environmental Sciences:** If you wish to withdraw after the deadlines indicated below, please contact a Faculty advisor in the Student Affairs Office for further information.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made through Service Point. However, it is important that you consult a Faculty advisor to discuss your options and the effects that your request may have on your studies.

**Note for Graduate and Postdoctoral Studies:** If you are considering withdrawing from the University, you are strongly encouraged to consult with your academic unit before making a final decision. The date the request for withdrawal is submitted is the official date of withdrawal. A University Withdrawal Request Form is required by the withdrawal deadlines. Students who do not register in a given term are subject to University withdrawal and will be withdrawn as of September 1 (Fall term), January 1 (Winter term), or May 1 (Summer Term). If you wish to return to complete your program in a later term, you must submit a Request for Readmission.

**Note for Physical and Occupational Therapy:** If you are blocked from withdrawing from a course in Minerva, you must contact the Student Affairs Office.

**Note for the Faculties of Education, Management, and Music:** If you want to withdraw after the deadlines indicated below, under exceptional circumstances you may be granted permission for university withdrawal. You should contact your Student Affairs Office 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.

**Note for Health Sciences:** For information on readmission procedures, you should refer to your Faculty/School section in this publication.

## Consequences of University Withdrawal

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

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

If you withdraw from the University in the Fall term, you are withdrawn from the entire academic year; i.e., Fall and Winter terms.

If you withdraw from the University and want to re-register in a later term, you must follow the procedures for readmission outlined in Readmission.

## 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 on the [Important Dates](#) website. If you drop all your courses between September 1 and the Fall add/drop deadline, or between January 1 and the Winter add/drop deadline, you are withdrawn from the University. If you withdraw from all your courses by the Fall or Winter withdrawal deadlines you are withdrawn from the University.

To withdraw from the University by the deadlines indicated below, you must drop or withdraw from all courses in Minerva. If you are blocked from dropping or withdrawing from your last course on Minerva, you are required to contact your Student Affairs Office, who will guide you in completing the university withdrawal **as long as you have not missed the university withdrawal deadline.**

To return to your studies, you must follow the procedures for readmission. For more information, refer to the Readmission page of the Undergraduate Regulations and Resources.

### Fall Term

From September 1 to September 22, 2026 (the add/drop deadline), a drop of all courses constitutes a university withdrawal with refund (minus the registration cancellation fee for returning students or the registration deposit for new students). After the add/drop deadline and until the deadlines indicated below, you may withdraw from all courses to effect a university withdrawal.

- Deadline for university withdrawal with refund (minus the registration cancellation fee for returning students or the registration deposit for new students): **Tuesday, September 22, 2026**
- Deadline for university withdrawal without refund: **Tuesday, October 27, 2026**



## Winter Term

From January 1 to January 19, 2027 (the add/drop deadline), a drop of all courses constitutes a university withdrawal with refund (minus the registration cancellation fee for returning students or the registration deposit for new students). After the add/drop deadline and until the deadlines indicated below, you may withdraw from all courses to effect a university withdrawal.

- Deadline for university withdrawal with refund (minus the registration cancellation fee for returning students or the registration deposit for new students): **Tuesday, January 19, 2027**
- Deadline for university withdrawal without refund: **Tuesday, February 23, 2027**

**Note:** The deadline to withdraw from a multi-term (spanned; D1/D2) course with partial refund is the Winter add/drop deadline.

## Summer Studies

### Summer Studies for Graduate Students

Detailed information about summer registration is available as of March at [mcgill.ca/gps/students/registration/dates](http://mcgill.ca/gps/students/registration/dates). The Class Schedule, available in Minerva, should be consulted for a complete listing of undergraduate and graduate-level courses offered during the summer term.

Course registration for graduate students takes place via Minerva for the Summer term. It is the responsibility of the student to register for courses within deadlines, after 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 summer term of residency in a graduate program. For more information, see Summer Registration (p. 15).**

Many summer courses have limited enrolment and students are advised to register early. Graduate students intending to register for restricted undergraduate courses must complete a *Request for Registration/Course Changes* web form at [mcgill.ca/student-records/forms](http://mcgill.ca/student-records/forms), and the course will be added by Enrolment Services if there is space available.

Please consult the Class Schedule for specific information on course dates and times, available in Minerva.

**Note:** Students doing graduate work in Education are strongly advised to enrol in summer studies.

## Program Requirements

### Program Requirements for Graduate Degrees

#### Master's Degrees

##### Residency Requirements – Master's Degrees

Refers to the period of time, measured in terms or years, necessary for the completion of the program. You are **not** permitted to graduate until you have fulfilled the residency requirement (and paid the corresponding fees) in your program.

- The following master's programs have a **minimum** residency 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** residency requirement of **four full-time terms**: M.I.St.; 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 residency requirement for the master's program in Education (M.Ed.); Information Studies (M.I.St.); 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. Residency 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, residency 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 residency represent minimum time requirements. There is no guarantee that the work for the degree can be completed in this time. You must register for additional terms as needed to complete the program.

#### Coursework – Master's Degrees

Program requirements are outlined in the relevant departmental sections of the Graduate and Postdoctoral Studies Course Catalogue (p. 81).

The credit requirement for any research master's (thesis) degree at McGill is 45 credits, whereas a non-thesis master's degree may exceed 45 credits.

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

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 graduate level courses passed at any recognized university or at McGill.

The candidate is required to pass, with a grade of B- or better, all those courses that 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.

As a rule, no more than one-third of the formal coursework (excluding thesis, project, stage, or internship) of a McGill master's degree can be credited with courses from another university or degree (for example, courses taken before admission to the McGill degree, or courses taken through the IUT agreement during the McGill degree, if permitted).

Normally, if courses completed elsewhere or at McGill prior to admission to the McGill master's degree were not used to complete a degree, they could be credited toward the McGill degree, keeping in mind the one-third rule as described above. These would be entered as exemptions with credit at the time of admission.

If the courses completed elsewhere or at McGill prior to admission were used to complete a degree, exemptions may be granted without credit, i.e., the exempted course(s) must be replaced by other graduate course(s) at McGill. Double counting is not allowed, unless the department offering the master's degree permits it and the degree has an overall credit requirement greater than 45 credits. In other words, instances where exemptions with credit may be granted will be limited to the credit amount beyond the minimum of 45 credits for a McGill master's degree. The one-third rule as described above continues to apply.

### 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 the name of the examiner must be forwarded on a *Nomination of Examiners* form, available at [mcgill.ca/gps/thesis/thesis-guidelines/initial-submission](http://mcgill.ca/gps/thesis/thesis-guidelines/initial-submission), in accordance with the dates on [mcgill.ca/importantdates](http://mcgill.ca/importantdates), through the Unit head or delegate of the department concerned at the same time that 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, must show familiarity with previous work in the field and must demonstrate the ability to carry out research, organize results, and defend the approach and conclusions in a scholarly manner according to disciplinary norms. The thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at [mcgill.ca/gps/thesis/thesis-guidelines](http://mcgill.ca/gps/thesis/thesis-guidelines).

### Language Requirements – Master's Degrees

Many 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.

## Doctoral Degrees

### Residency Requirements – Doctoral

Refers to a period of time, measured in terms or years, necessary for completion of the program. You are not permitted to graduate until you have fulfilled the residency requirement (and paid the corresponding fees) in your program.

Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

Candidates entering Ph.D. 1 must follow a program of at least three years' residency (end of Ph.D. 3). This is a minimum requirement, and there is no guarantee that the work of the degree can be completed in this time. Students are expected to complete their degree within the maximum specified period.

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.

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 Postdocs (p. 83)).

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

Doctoral programs at McGill require candidates to pass a comprehensive examination or set of examinations or equivalent—such as qualifying examinations, preliminary examinations, candidacy papers, comprehensive evaluations, thesis proposals, etc. The results of this examination determine whether or not students will be permitted to continue in their program. 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 your responsibility to inform yourself of these details. For more information, refer to the Ph.D. Comprehensives Policy (p. 43).

### Language Requirements – Doctoral

You should consult their academic units to inquire about language requirements.

You must contact their department to assess the Language Reading Proficiency Examinations. You may, however, demonstrate competence by a Pass Standing in two undergraduate language courses taken at McGill (see departmental regulations).

**All** language requirements must be fulfilled and the grades reported **before** submission of the thesis to GPS (see Regulations Concerning Theses (p. 27)).

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

## 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 Graduate and Postdoctoral Studies (GPS) on the *Nomination of Examiners* form, available at [mcgill.ca/gps/thesis/thesis-guidelines/initial-submission](https://mcgill.ca/gps/thesis/thesis-guidelines/initial-submission), in accordance with the dates on [mcgill.ca/importantdates](https://mcgill.ca/importantdates), at the same time as the thesis is submitted.** The list of examiners must be approved by the Graduate Program Department Director, the supervisor and the student. The Thesis section of Graduate and Postdoctoral Studies should be notified of any subsequent change of title as early as possible. Guidelines and deadlines are available at [mcgill.ca/gps/thesis/thesis-guidelines](https://mcgill.ca/gps/thesis/thesis-guidelines).

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

## Doctoral Oral Defence

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 [mcgill.ca/gps/thesis/thesis-guidelines](https://mcgill.ca/gps/thesis/thesis-guidelines).

## Coursework for Graduate Programs, Diplomas, and Certificates

If an upper-level undergraduate course (excluding 500 level) is taken by a graduate student, it must be approved by the Graduate Program Department Director. The recommendation must state if the undergraduate course is an additional requirement for the program (must obtain B- or higher) 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 [mcgill.ca/gps/students/registration](https://mcgill.ca/gps/students/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 the Graduate Program Department Director before registration. Double counting of courses is not permitted.

## Student Records

### Grading and GPA

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.

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 fulfil program requirements.

## Policy on Pass/Fail Grading

For a course to be graded P/F, a proposal must be approved by the Program Director, approved by the Faculty Curriculum Committee, and approved by the Subcommittee on Courses and Teaching Programs (SCTP). Courses that are approved to be graded P/F must indicate this in the course syllabus. Pass/Fail grading applies to all students in a course section and cannot be selectively added to individual students.

Grades of Pass are not included in the GPA calculation and as such are not normally applied to required courses. Grades of F are included in GPA calculations. However, both grades of P and F are included in the count of completed credits for determining eligibility for scholarships and awards.

### Pass/Fail Grade Designations

| Grades    | Designation      |
|-----------|------------------|
| A, A-     | Very Good        |
| B+, B, B- | Good             |
| C+, C     | Satisfactory     |
| D         | Conditional Pass |
| F         | Fail             |

## Grading and Grade Point Averages (GPA)

| Grades   | Grade Points | Numerical Scale of Grades |
|----------|--------------|---------------------------|
| A        | 4.0          | 85–100%                   |
| A-       | 3.7          | 80–84%                    |
| B+       | 3.3          | 75–79%                    |
| B        | 3.0          | 70–74%                    |
| B-       | 2.7          | 65–69%                    |
| F (Fail) | 0            | 0–64%                     |

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.

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 in the same program; if you change programs—e.g., from master's to doctoral—the CGPA starts again.

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.

**Note:** Not all grades listed below apply to every faculty, school or level. Faculty policy prevails when determining if a student may be eligible to receive one of these grades.

## Other Course Grades

| Grades | Explanation                                                                                                                                                                                                                              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP     | <b>in progress;</b> (Master's Thesis Courses Only) – IP grades change to P-Pass at graduation when student's transcript indicates 'degree granted'.                                                                                      |
| P      | <b>pass;</b> 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     | <b>to be continued;</b> the use of this grade is reserved for major research projects, monographs and comprehensive examinations as designated for graduate studies.                                                                     |
| J      | <b>unexcused absence (failed);</b> 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.                                              |
| K      | <b>incomplete/extension granted;</b> deadline extended 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). (Signed K contract required)        |
| KE*    | <b>further extension granted</b> with the approval of the Associate Dean, Graduate and Postdoctoral Studies. Maximum of 6 months from date of contract signature. (Signed KE contract required) K* used for courses taken pre-Fall 2002. |
| KF     | <b>incomplete/failed;</b> 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.                                              |
| KK     | <b>completion requirement waived.</b> Not calculated in TGPA or CGPA. This is used in exceptional cases only, with the approval of the Assistant Registrar, Records. Not calculated in TGPA or CGPA.                                     |

## L

**deferred;** for students whose final examinations or papers have been deferred, for serious or extenuating reasons such as illness, at the time of the examination. Deferrals will not be granted for reasons such as minor illnesses (e.g. a cold, cramps, nausea, etc.), minor personal matters, scheduling conflicts (e.g. travel plans), or not being able to manage workload. The "L" grade must be cleared as soon as possible (maximum four months). Request to defer an exam must be submitted by the student's unit via the Request for a Deferred Exam form.

|                             |                                                                                                                                                                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LE                          | <b>further deferral;</b> permitted to defer examination for more than the normal period. L* used for courses taken pre-Fall 2002.                                                                                                                                                                         |
| NA                          | <b>grade not yet available.</b> && used for courses taken pre-Fall 2002.                                                                                                                                                                                                                                  |
| NR                          | <b>no grade reported</b> by the instructor (recorded by the Registrar).                                                                                                                                                                                                                                   |
| Q                           | <b>course continued in next term;</b> (applicable only to courses taken pre-Fall 2002).                                                                                                                                                                                                                   |
| Satisfactory/Unsatisfactory | Not used on the transcripts of Graduate students.                                                                                                                                                                                                                                                         |
| W                           | <b>withdrew with approval;</b> a course dropped, with permission, after the Course Change deadline; not calculated in TGPA or CGPA.                                                                                                                                                                       |
| WF                          | <b>withdrew failing;</b> 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). |
| WL                          | <b>withdrew from deferred examination;</b> faculty permission to withdraw from a deferred examination (approved by the Assistant Registrar, Records); not calculated in TGPA or CGPA.                                                                                                                     |
| W-- or --                   | <b>no grade;</b> student withdrew from the University, not calculated in TGPA or CGPA (applicable only to courses taken pre-Fall 2002).                                                                                                                                                                   |

1

2 Signed K contract required

Signed KE contract required



## Unexcused Absences

All students who miss a final exam or do not complete other required work in a course 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 or other required course work.  
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 or other required course work. This option is not available if the professor stipulated in the course outline that the final exam or other course work 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.

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 on the Final Exam Dates page of McGill Exams website.

You must request option 3 by the faculty deadlines as indicated on the McGill Exams website.

If you wish to appeal a J grade, you should write to your Associate Dean or Director.

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

**Note for Law:** Option 1 is not available to students in the Faculty of Law. Option 3 is by approval of the Associate Dean (Academic) or the Director (Student Life and Learning) only.

**Note for Music:** Option 1 is not available to students in the Schulich School of Music.

**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 meet with a Faculty advisor in Arts OASIS or SOUSA to talk about your options and the effects that your request may have on your studies. For more information, see the Academic Advising page.

**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 of Graduate and Postdoctoral Studies (associatedeans.gps@mcgill.ca).

## Transcript of Academic Record

A McGill transcript includes all attempted work and final grades obtained in all programs. The University does **not** issue partial transcripts under any circumstances.

The University issues official transcripts in electronic or paper format bearing the Registrar's signature. Requests for both electronic official (eTranscripts) and paper transcripts are submitted in Minerva.

eTranscript PDFs are issued the same-day in as little as 15 minutes (providing there are no holds on your student account and no

attachments to review) via the MyCreds™ platform where you will need to purchase share credits. MyCreds™ is a Canadian Network, shared service and platform that provides students and graduates access to a secure, online, password protected learner credential wallet owned by the Association of Registrars of the Universities and Colleges of Canada (ARUCC).

Official paper transcripts are normally processed in 3 to 5 working days (5 to 7 working days during peak periods) and mailed by regular Canada Post mail to the address(es) indicated on the request. Paper transcripts are free of charge for currently registered students. Transcript fees apply for alumni and former students. Requests for archived transcripts (pre-1972) have a longer processing time.

Paper official transcripts are printed on secure paper that cannot be copied. eTranscripts are digitally signed and certified PDF documents that cannot be copied.

For more information on requesting official transcripts, refer to Official Transcripts.

**Note:** The University may not be held responsible for the loss or delay of transcripts in the mail.

**Note:** You cannot submit a transcript request in Minerva if you have **holds** on your record (e.g., accounting, registrar, library, etc.). Please verify the top of your unofficial transcript (*Student Menu > Student Records Menu > View Your Unofficial Transcript*) in Minerva for any holds.

## myProgress

myProgress is a web-based degree audit tool to track student progress towards completion of their degree. The tool is used by students and advisors to compare a student's academic record with the requirements of their specific curriculum, and highlight any pending requirements on the path to graduation.

myProgress also includes some important features, including notes and exceptions tracking to provide a record of advisor/faculty-approved adjustments to students' programs of study (ex., the replacement of one course with another or acceptance of a non-McGill course for credit).

**Note:** myProgress is an advising tool only. A degree audit report that indicates program requirements have been satisfied does **not** constitute approval to graduate.

myProgress is currently open to select faculties only; please refer to the following websites for more information:

- myProgress Undergraduate information
- myProgress Graduate information

## Student Record Changes

Student record changes include the following: course add or course drop, course withdrawal, university withdrawal, program change (including changing majors or concentrations), or status change (i.e., leave of absence, exchange, or term away). They also include changes to tuition status based on the submission of legal documents.



## Registrar Deadlines

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

### Before Registrar Deadlines

For record changes after the normal deadlines published in this publication, but before the 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 decide. If your request is approved, the change is processed according to existing faculty and Enrolment Services student record procedures.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at Service Point (3415 McTavish). However, it is important that you also meet with a faculty advisor in Arts OASIS or SOUSA to discuss your options and the effects that your request may have on your studies.

### After Registrar Deadlines

The University does not normally consider a change requested after the 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. You may be assessed a fee for a change requested after Registrar deadlines. For all changes other than grade changes, the faculty must submit complete documentation that supports the extraordinary circumstances to Enrolment Services.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at Service Point (3415 McTavish). However, it is important that you also meet with a Faculty advisor in Arts OASIS or SOUSA to discuss your options and the effects that your request may have on your studies.

## Fee Assessment Consequences

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

If you wish to contest the fee assessment, you must submit a written request to Enrolment Services. Enrolment Services will review the extraordinary circumstances described in the supporting documentation provided by your faculty and, if necessary, consult with the Student Accounts Office to decide whether to consider your request. Then, Enrolment Services will communicate with you explaining the decision.

## Student's Citizenship, 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 *Why Does McGill Collect Legal Documents from You?* You may be assessed a fee for a change requested after the submission deadline.

## 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.

Personal information provided at the time of application or registration will be processed in accordance with the Province of Québec's *Act Respecting Access to Documents Held by Public Bodies and the Protection of Personal Information* (the "Access Act") and McGill's Privacy Notice.

For the purpose of consent and acknowledgement, personal information consists of:

- personal information submitted as part of your application
- personal information collected as part of your student file if you enrol at McGill
- includes, but is not limited to name, address, telephone number, email address, date of birth, citizenship, McGill ID, program, student status, and academic record information

If you enrol at McGill, this consent notice will apply to any personal information collected during the course of your studies at McGill.

You have the right to request access and correction of your personal information. You may also oppose the release of personal information under certain circumstances. For more information about McGill University's privacy practices and your rights regarding your personal information, please consult our Privacy Notice. Registered students may refuse the release of certain personal information by completing an Opposition Form.

Upon submission of your application, and if you enrol, McGill University may:

- Collect and maintain your personal information for the purpose of administering your university admission(s) and student record files;
- Exchange certain personal information with your home institution, in connection with an agreement between McGill and your home institution if you attend McGill on exchange;
- Permanently archive your personal information two years after the end of your studies, unless a policy change is made by McGill in the future, to ensure McGill's compliance with Québec's *Archives Act* and McGill's records retention schedule;
- Obtain copies of your transcripts from the *Ministère de l'Enseignement supérieur* (Québec's Ministry of Higher Education), the Ontario University Application Centre and/or the British Columbia Ministry of Education, or any other analogous entity;
- Make inquiries to, and obtain personal information from, the *Ministère de l'Immigration, de la Francisation et de l'Intégration* (the Québec ministry concerned with immigration and cultural and linguistic integration), Immigration, Refugees, and Citizenship Canada and/or the *Régie de l'assurance-maladie du Québec* (the government body that manages provincial health insurance) to verify the validity of your immigration or health insurance status;

- Validate with the *Ministère de l'Enseignement supérieur* information regarding your citizenship and previous institution attended, if necessary and as required in order to manage the admissions process and to determine your tuition fees;
- Verify any information or statement provided as part of your application; and
- Contact you through the McGill Alumni Association and University offices that maintain contact with McGill students, alumni and friends, for the purpose of providing University updates and opportunities for direct support to the University, including fundraising, and making available special offers that such groups may benefit from.

McGill may release personal information contained in your admission or student records file to the following persons or bodies, as necessary, in the exercise of their mission for the purposes of processing your admission application, producing statistics; and if you enrol, administering your student file, providing access to McGill's learning platforms and communication tools, membership in McGill's student and alumni associations, and support and access to academic opportunities throughout your studies at McGill:

- student associations recognized by McGill University for the categories of student to which you belong (limited to your contact and program information);
- schools or colleges that you have attended;
- a professional body or corporation, where relevant;
- the *Ministère de l'Immigration, de la Francisation et de l'Intégration* and/or the *Régie de l'assurance maladie du Québec*; Immigration, Refugees, and Citizenship Canada; and/or the *Ministère de l'Éducation et de l'Enseignement supérieur*;
- Universities Canada, the Association of Registrars of the Universities and Colleges of Canada, and the BCI (*Bureau de coopération interuniversitaire*, previously known as CREPUQ), and/or the member institutions of these organizations, for the purpose of admission operations and the production of statistics;
- libraries of other Québec universities with which McGill has established reciprocal borrowing agreements;
- the appropriate authorities involved with external or internal funding of your fees (financial records may also be disclosed to such authorities);
- students and alumni of the University who have volunteered to speak with students for the purpose of facilitating their integration into the University;
- other universities and colleges, at the discretion of the University, if any information connected to your application is determined to be false and misleading, concealed or withheld, or contains evidence of academic dishonesty or inappropriate conduct;
- regulatory authorities, law enforcement or other persons, as authorized or required by law; and
- McGill Network and Communications Services.

If reference letters are required for admission to a program, you will be asked to authorize the University to request letters of reference on your behalf from referees you have identified. You understand that each referee will be provided with information indicating that you have applied to be admitted to McGill University, including your name, the McGill program you have applied to, the academic term when you wish to begin your studies at McGill, and your statement describing how the referee knows you.

In addition to the above, if you are a candidate for admission to Graduate and Postdoctoral Studies, you will be asked to authorize the University to request letters of reference on your behalf from referees you have identified, with the understanding that each referee would be provided with information indicating that you have applied to be admitted to McGill University, including your name, the McGill program you have applied to, the academic term when you wish to begin your studies at McGill, and your statement describing how the referee knows you.

In addition to the above, if you are a candidate for admission to the Faculty of Law, you will be asked to consent to the release of personal information to the Committee for Law Admissions Statistics Services and Innovations (CLASSI); the Law School Admissions Council (LSAC), and the Programme of Legal Studies for Native People, Native Law Centre at the University of Saskatchewan.

In addition to the above, if you are a candidate for admission to the Faculty of Medicine and Health Sciences or to the Faculty of Dental Medicine and Oral Health Sciences in undergraduate, graduate, or postgraduate studies, you will be asked to consent to the release of personal information to other schools; to Clinical Supervisors; to a University teaching/affiliated hospital or health center to which you apply or join for residency or rotations; to the Association of Faculties of Medicine of Canada (AFMC), to the *Collège des médecins du Québec* or the *Ordres des dentistes du Québec*, and to any matching agencies. You will be asked to agree to declare any pre-existing condition which may require a declaration to a health authority or require accommodations for you to be able to train.

In addition to the above, if you are a candidate for admission to the Schulich School of Music, you will be asked to consent to the use of your name and images in public recognition of academic achievement and in the advertising and audio and video recording of student ensemble concerts for distribution using different media and formats.

At the time of application, you will be asked to acknowledge that:

- an admission granted based on incomplete, incorrect, or false information contained in your application or supporting documents may be revoked at the sole discretion of the University. The University reserves the right to revoke admission at any time; and
- if admitted to McGill University, you will be bound by the statutes, rules, regulations, and policies in place from time to time at McGill University and at the faculty or faculties in which you will be registered, including those policies contained in the University Course Catalogues and related fee documents. You will undertake to observe all such statutes, rules, regulations, and policies. Your obligations will commence with your registration and terminate in accordance with the University's statutes, regulations, and policies.

The Acknowledgement Agreement is governed by the laws of the Province of Québec.

## Regulations Concerning Theses

### Thesis Regulations

A thesis is a scholarly work requiring discussion of methodology, conclusions, and significance of the research beyond what might be expected for manuscripts for publication. A thesis must be written in English or French; exceptions are only allowed for specific language

units. The University requires that all theses conform to the general requirements for master's and doctoral theses.

## Thesis Submission (Initial and Final Thesis Submission)

Theses may be submitted at any time during the year. However, for each of the three annual dates for conferring degrees/convocation, there are deadlines for initial submission (when the thesis is sent out to examiners for evaluation) and for the final thesis submission: April 15, August 15, and December 15. Please note that some units enforce earlier submission deadlines than those listed by Graduate and Postdoctoral Studies, so it is important that students verify these dates with their unit.

A thesis is a public document and once the final thesis has been submitted for the degree, it exists in the public domain in the eScholarship database. To temporarily withhold (embargo) a thesis, please consult the GPS website.

## Master's Thesis Examiner

For a master's thesis, the examiner must be a scholar of established reputation and competence in the field of the thesis research. The examiner may be from inside or outside the University. Units may nominate a member from within the unit, as long as there is no conflict of interest with the student.

## Doctoral Thesis External Examiner

The doctoral external examiner must be a scholar of established reputation and competence in the field of the thesis research. They must be from outside the University and must hold a doctorate or equivalent. The external examiner must be at arm's length from the candidate and have no other conflict of interest.

## Doctoral Thesis Internal Examiner

The doctoral internal examiner is expected to be knowledgeable in the area and topic of the thesis, though not necessarily to the same extent as the external examiner. The internal examiner also ensures that the written thesis meets the standards of McGill University. Normally, the internal examiner is a McGill faculty member (but not the supervisor) affiliated with the student's Unit, but they may also be nominated from other units at McGill.

## Conflict of Interest

A nominated examiner must be without conflict of interest to evaluate the thesis. A conflict of interest can be perceived to prejudice the examiner's evaluation of the thesis. Any contact with examiners by the supervisor or student after the nomination process constitutes a conflict of interest and the examination process will be cancelled.

## Thesis Examination

If one or both examiners determine that the thesis does not meet the requirements for the degree (i.e., an outcome of not passed is designated on the examination report) the student has the option to revise and resubmit the failed thesis. Graduate and Postdoctoral Studies must be notified within six weeks if the student decides to revise and resubmit. When the examiner's report is received by the

Thesis Office, the student's transcript will indicate "Thesis Requires Revision". If the revised thesis is subsequently not passed, the thesis will be considered failed and the student will be withdrawn from the University.

If the student does not contact Graduate and Postdoctoral Studies requesting to revise and resubmit the thesis within the designated six-week time period or, once approved to revise the thesis, does not submit the revised thesis by the one-year deadline, the thesis will be deemed to have failed and the student will be withdrawn from the University. Their transcript will indicate "Thesis Revision - Not Passed".

If a thesis has not been passed and the student feels that this judgment is based on bias, error, or serious misrepresentation on the part of the examiner(s), the student may submit a written request for a new examiner for the thesis to the Dean of Graduate and Postdoctoral Studies, documenting the bias, error, or serious misrepresentation. This request must be made within six weeks of the notification that the thesis has not passed, and may be accompanied by a letter of support from the supervisor and/or unit.

## Doctoral Oral Defence

The objectives of the oral defence are to ensure that:

1. the thesis meets the academic standards necessary for the Ph.D. degree; and
2. the Ph.D. candidate can effectively present and defend the thesis at a level of knowledge and understanding that is commensurate with that of the Ph.D. degree.

The unit is responsible for confirming the defence date and notifying Graduate and Postdoctoral Studies at least four weeks prior to the defence date.

The oral defence committee consists of five or seven voting members, including the Academic Unit representative (chair or delegate), supervisor(s), the internal thesis examiner, other member of the unit, and the external member (external to the unit). The defence committee is designed to ensure that a majority of members have not been closely involved with the thesis research and to have an odd number of members to avoid a tie in case of a vote. The Pro-Dean is a non-voting committee member appointed by Graduate and Postdoctoral Studies to facilitate the examination.

## Oral Defence Outcomes

There are four possible outcomes of an oral defence: a "Passed" outcome and three "Not Passed" outcomes.

### Passed

- If the committee feels that the thesis and the responses to questions raised in the defence meet appropriate academic standards for the granting of the Ph.D. degree, the student will be judged to have passed the defence.
- If the committee determines that minor revisions (i.e., stylistic or editorial changes) are necessary for the thesis to fulfill the academic standards necessary for partial fulfilment of the Ph.D. degree, the Pro-Dean must delegate one member of the committee, usually the supervisor, to ensure that the student carries out the required changes.

## Not Passed

If the committee determines that the thesis or oral defence does not meet appropriate academic standards for the Ph.D. degree and would require, for example, major revisions to the text and/or additional study, it must then decide between the following three "Not Passed" outcomes:

- **Thesis not passed:** The oral defence is satisfactory but the *thesis* does not meet Ph.D. degree standards. If this is the first "Not Passed" outcome, the student is allowed to submit a revised version of the thesis within six (6) months to the oral defence committee who will then evaluate the revised thesis without another oral defence.
- **Oral defence not passed:** The thesis is satisfactory but the *oral defence* does not meet Ph.D. degree standards. If this is the first "Not Passed" outcome, the student is allowed to conduct another oral defence within six (6) months without the submission of a revised thesis.
- **Thesis and oral defence not passed:** Both the *thesis* and *oral defence* do not meet Ph.D. degree standards. If this is the first "Not Passed" outcome, the student is allowed to submit a revised version of the thesis within six (6) months to the oral defence committee, who will then evaluate the revised thesis and conduct another oral defence.

**Note:** If the student has a previous "Not Passed" decision on an initial thesis or Oral Defence, a second "Not Passed" decision will result in withdrawal from the University.

## 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. 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.

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 17 of the *Code of Student Conduct and Disciplinary Procedures*.

The Office of the Dean of Students administers the academic integrity process as described on the Student Rights and Conduct page.

**Note:** All newly admitted undergraduate and graduate students must complete a **mandatory online academic integrity tutorial** in their first semester, accessed through Minerva > *Student Menu* > *Academic Integrity Tutorial*. Failure to complete the academic integrity tutorial in the allotted timeframe will result in a registration "hold" being placed on your record, preventing registration until the tutorial is completed. For more information, visit the Dean of Students' Academic Integrity page.

## Identification and Personal Information

It is important to keep your McGill record up to date with your personal information, especially a mailing or billing address, as these are used by the University year-round. Upon initial registration, students are prompted to provide this information. Every six months thereafter, students are prompted to update this information as needed.

You must update your address(es) and/or telephone number(s) and emergency contact information in Minerva under the Personal Menu.

If you need to change important personal information that requires the University to verify official documents—such as a name change, gender, or a correction of your birth date—refer to the instructions on the Student Records Name and Gender page. Macdonald Campus students can request changes in person at the Macdonald Campus Student Affairs Office, Laird Hall, Room 106.

**Note for Nursing:** A Québec address and telephone number are required for Nursing students on Minerva to meet OIIQ registration requirements.

## 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;
- access meal plans; and
- access the inter-campus shuttle bus.

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 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 for at least 24 hours after you have registered for your first course before requesting an 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 if you hand in the ID card.
- If you change programs or faculties, there is no charge to issue a new card if you hand in the ID card.
- If your card has been lost, stolen, or damaged, there is a replacement fee; please see the Student Accounts website for an exact fee amount.
- If you need security access to labs or other facilities, please contact the Area Access Manager (AAM) of the building in which the room is located. To find out who the AAM is, consult the Find the AAM list on the Campus Public Safety website.

**Note for Continuing Studies:** You must allow at least one day after you have registered before applying for your ID card. 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.

## ID Card Schedule for the Downtown Campus

- The locations and opening hours of ID card centres can be found on the Student Records website.
- New students can obtain their ID card 24 hours after registering for their first course. Please confirm registration dates for new students.
- Returning students must be registered for at least one course and may present themselves at an ID card centre during their operational hours at any time in order to obtain a replacement card. Please refer to the Student ID Card site for information on the Downtown Campus ID Centre.

## ID Card Schedule for the Macdonald Campus

- The locations and opening hours of ID card centres can be found on the Student Records website.
- The Macdonald Campus ID Centre is in the Student Affairs Office, Laird Hall, Room 106.
- New students can obtain their ID card 24 hours after registering for their first course. Registration dates for new students can be found on the Important Dates site.

## Legal Name and Legal Sex Designation

### Legal Name

Your legal name is the name that will appear on your degree, diploma, or certificate upon graduation, and on your e-bills, tax receipts, and official transcript. It is also used by the Government of Québec to create a Permanent Code.

After confirming your offer of admission and registering at McGill, the name provided on your admission application is validated and, in the event of a variation, updated to match the legal name appearing on one of the following documents:

Canadian or Permanent Resident Students:

1. Canadian birth certificate, copy of an act of birth, or citizenship card or certificate  
(**Note:** A Canadian passport is not acceptable)
2. Canadian Immigration Record of Landing (IMM 1000 or IMM 5292 or IMM 5688 and Permanent Residence card)
3. Marriage certificate issued outside of Québec—translated into English or French by a sworn officer if in another language  
(**Note:** Québec marriage certificates are only acceptable if issued prior to 1984)
4. Certificate of Name Change or Certificate of Change of Sex Designation and Name issued by the *Québec Directeur de l'état civil* or applicable force in any Canadian province  
(**Important:** Must be submitted along with a driver's license or health card indicating the name change)

International Students:

1. Canadian Immigration Study or Work Permit
2. Certificate of Acceptance of Québec (CAQ)
3. International passport  
(**Note:** For students in non-degree programs or programs that are less than six months; name changes are acceptable if submitted with a Certificate of Name Change)
4. International birth certificate (with an official translation in English or French)
5. Letter from international student's consulate or embassy in Canada
6. Marriage certificate issued outside of Québec—translated into English or French by a sworn officer if in another language  
(**Note:** Québec marriage certificates are only acceptable if issued prior to 1984)
7. Certificate of Name Change or Certificate of Change of Sex Designation and Name issued by an official government authority outside of Canada  
(**Important:** Certificates must be submitted along with an international passport or driver's license indicating the name change)

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.

Should McGill require a copy of one of the documents listed above, both or all sides of the document must be copied and presented.

In order to update the legal name on your student record you must:

1. Complete a Personal Data Change Form
2. Provide a copy of the appropriate legal document with the updated legal name (if we don't already have a copy); the list of acceptable documents is listed above
3. Submit the completed form and copy of the legal document by email attachment (PDF or TIFF format) to [permcode@mcgill.ca](mailto:permcode@mcgill.ca)

## Legal Sex Designation

To update your legal sex designation, you need to:

1. Complete a Personal Data Change Form
2. Provide a copy of the appropriate legal document with the updated legal sex designation (if we don't already have a copy); the list of acceptable documents is listed in the Legal Name section above
3. Submit the completed form and copy of the legal document by email attachment (PDF or TIFF format) to [permcode@mcgill.ca](mailto:permcode@mcgill.ca)

## Preferred First Name

At McGill University, a student is registered under their legal name as it appears on their legal documents—such as a birth certificate or study permit—that have been provided to the University. This name will be used on documents such as an official transcript and diploma.

Your preferred first name is a name by which you are normally addressed and is different from your legal first name. The Preferred First Name Procedure enables students to use an alternate preferred first name for certain purposes while studying at McGill.

**Students who wish to use a preferred first name should enter this information into Minerva as soon as possible in order to ensure that their preferred first name is used as widely as possible.**



The preferred first name is displayed on all unofficial university documents and tools, such as:

- McGill ID cards
- Class lists
- Student advising transcripts
- For a complete list of examples, please refer to Student Records

The student's legal name must appear on official university documents, such as:

- Official university transcripts
- Reports to government
- Letters of attestation
- Diplomas and certificates
- Tuition fee e-bills
- For a complete list of examples, please refer to Student Records

It is important to note that making a request to use a preferred first name at McGill does not change a student's legal name in the McGill student record or records with government authorities.

You can provide a preferred first name on your application for admission or, once admitted, in Minerva, under the *Personal Menu*. From the *Personal Menu*, select *Name and Pronoun Change* and then add your preferred first name in the preferred first name field.

You can also request that your preferred first name be part of your McGill email address by submitting an Email Alias form in IT's Service Now. For further details, see Student Records, which includes the Preferred First Name FAQ.

## Verification of Name

You should verify the accuracy of your name on McGill's student records via Minerva. To do this, go to *Personal Menu > Name and Pronoun Change*, where you can make minor corrections such as changing case (upper/lower), adding accents, and spacing. You can also add a preferred first name that is different from your legal first name, and it will be used internally at McGill.

For more information on the Preferred First Name Procedure, see the Student Records website.

You cannot change your legal name via Minerva. To change your legal name, please refer to Student Records. A legal name change request must be submitted along with official documents (see Legal Name and Legal Sex Designation). To add a preferred first name, see Preferred First Name.

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

## Online (Distance) Programs

Students registered in exclusively online (sometimes referred to as "distance") programs are required to declare where they are geographically located while studying for every term they are registered in the online program. For students pursuing an online program, location while studying is considered — along with the fee

residency status (i.e., Québec Resident, Canadian, or International) — when determining what fees are charged.

The following programs are designed to be offered exclusively online and, with some exceptions, are not offered on one of McGill's campuses:

## Undergraduate Programs

Integrated Nursing (B.N.I.) (65 credits)

## Graduate Programs

Chronic Pain Management (Gr. Cert.) (15 credits)

Cybersecurity (Gr. Cert.) (15 credits) (p. 158) <sup>2</sup>

Healthcare Management (Gr. Cert.) (15 credits)

Analytics (Non-Thesis) (M.M.) (45 credits)

IMHL (Non-Thesis) (M.M.) (45 credits)

Multilingual Digital Communication (Non-Thesis) (M.Sc.A.) (45 credits)

Occupational Health (Non-Thesis) (Distance) (M.Sc.A.) (45 credits) (p. 427)

## Continuing Studies Programs (Undergraduate and Graduate Levels)

Applied Cybersecurity (Cert.) (30 credits)

Indigenous Business Management (Cert.) (30 credits)

Public Administration and Governance (Cert.) (30 credits)

Legal Translation (Gr. Dip.) (30 credits)

Data Analysis for Complex Systems (Gr. Cert.) (15 credits)

Data-Driven Decision Making (Gr. Cert.) (15 credits)

Public Administration and Governance (Gr. Cert.) (15 credits)

Public Relations and Communication Management Practice (Gr. Cert.) (15 credits)

Strategic Public Relations and Communications Management (Gr. Cert.) (15 credits)

- <sup>1</sup> This program may also have an on-campus equivalent. Only students in the online version of the program must use Minerva to submit a declaration of location for a registered term.
- <sup>2</sup> This program is self-funded

Students in the online version of any program listed above, except those that are self-funded, will pay tuition as follows:

1. Students studying within the province of Québec will be subject to the rates established by the government for in-province students, according to their proven fee residency status.
2. Students who are located outside Québec while studying will be subject to deregulated tuition rates.

Most regular university charges will apply to all students in all online programs, but certain fees may be reduced or eliminated for students located outside the province while studying. For example, the Athletics and Recreation Fee is not charged to students located outside Québec, and International students located outside Québec but within Canada may request to opt-in to the International Health Insurance.

Online program students must self-declare their location while studying **for every term they are registered in the online program** via Minerva under *Student Menu > Location of Study - Online (distance)*

*program*. Students are notified by email that the Minerva form *for the upcoming term* is open and can be accessed. The form opens to all registered students in the above programs on:

- **Fall term:** July 16
- **Winter term:** November 16
- **Summer term:** March 16

Once a student has declared their location for a given term, they cannot use Minerva to update the information for that term if it should change. To make a change to the declaration:

- Students in a **Continuing Studies** program should call 514 398-6200 or email [info.conted@mcgill.ca](mailto:info.conted@mcgill.ca).
- All other students should contact Service Point.

Students will be asked to support their application for a change in location with appropriate documentation which may include, for example, Québec Medicare Card, Québec Driver's License, rental agreement, mail addressed to them at a Québec address, etc. If the change of location occurs by the last day of classes in the Fall/Winter terms, and August 15th for the Spring/Summer terms, then the change will affect that term. After these dates, a student must wait for the opening of the new term to make the new self-declaration for the new term. If the proof cannot be provided by the last day of classes for the term of the requested change, then Enrolment Services reserves the right to refuse the application.

Where it is determined that a student has falsely declared themselves to be in Québec, then the University reserves the right to re-assess tuition at the deregulated rates for their program and – in addition – the student would be subject to the rules contained in the Code of Student Conduct and Disciplinary Procedures.

## Submitting Legal Documents

McGill requires documentation from you to confirm your legal status. The following sections describe the documents needed for your specific situation and how you should proceed.

## What Documents Does McGill Need from You

Please send the requirements listed below according to the status that applies to you. This information may be subject to change, so **always refer to the Legal Documents website for the most up-to-date information**.

### Québec and Canadian Out-of-Province Students

You have applied to McGill directly from CEGEP or you already have a student record at McGill

- **Usually** no documents are required to prove your Canadian and/or Québec status. In most cases, your status is confirmed to us by the Government of Québec or is already in your McGill record. Check your Minerva account to verify that your status is updated correctly (Select *Student Menu* > *Student Accounts Menu* > *View your Tuition and Legal Status*)

You have applied to McGill from another Quebec university

- Proof of Canadian status is required: refer to the Legal Documents website for a comprehensive list of accepted documents.
- Additionally, for Québec residency status, **usually** no documents are required, unless McGill cannot confirm this from the Government of Québec. Check your Minerva account to verify that your status is correct

You were born in Québec

- Québec birth certificate (Note 4)

You were born in (or are a Landed Immigrant from) a Canadian province other than Québec

- Proof of Canadian status is required: refer to the Legal Documents website for a comprehensive list of accepted documents.
- Permanent Code Data Form (Notes 1 and 5)

You are a Québec resident as defined by one of the other situations outlined by the Government of Québec

- Proof of Canadian status is required: refer to the Legal Documents website for a comprehensive list of accepted documents.
- Permanent Code Data Form (Notes 1 and 5)
- Attestation of Residency in Québec Form (Note 5)
- Other supporting documents, depending on which situation you checked on the above Attestation of Residency Form

## International Students

You must provide certain documents depending on the length of your studies.

If you will be studying at McGill for **less than six months** (i.e., for only one academic semester) as a non-degree student (e.g., Exchange, Special, Visiting)

- You may need a Visitor's Permit or Electronic Travel Authorization (eTA) issued by Immigration, Refugees, and Citizenship Canada (IRCC) at your port of entry into Canada. To determine if you are required to have a visa, please refer to the Immigration, Refugees and Citizenship Canada website
- Photo page of your passport
- Permanent Code Data Form (Notes 1 and 5)

If you will be in Canada for **more than six months** (i.e., you are enrolled in a degree, certificate, or diploma program, usually for two or more consecutive academic semesters)

- Québec Acceptance Certificate (CAQ)
- Study Permit issued by Immigration, Refugees and Citizenship Canada
- Photo page of your passport
- Permanent Code Data Form (Notes 1 and 4)

**Note 1:** Your signed Permanent Code Data Form is usually required. If the names of your parents appear on your birth certificate, if you have clearly identified your parents' names on your application to McGill, or if you have already provided McGill with your Permanent Code, you do not need to supply this form.

**Note 2:** Your valid Canadian Permanent Resident status can be proved by a copy of your Canadian Confirmation of Permanent Residence (IMM 5292 or IMM 5688) document or with your Canadian Permanent

Resident card (both sides). 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 3:** Usually McGill needs your birth certificate to prove your place of birth in Québec. If you already have a valid Québec Permanent Code, McGill will accept a copy of your valid Canadian passport that indicates your birthplace as being within the province of Québec as proof that you are eligible for Québec residency.

**Note 4:** You can find links to download and print the Permanent Code Data and Attestation of Québec Residency forms on the Forms and Reference Materials page.

## Fee Exemptions

Exemption from the out-of-province or international supplement tuition fees is possible for students in any of the following three categories, as authorized by the Government of Québec:

- 1. French Course Fee Exemptions** – Full-time international students are charged fees at the Québec tuition rate by default for certain eligible French courses (note exclusions as listed on the Tuition Fee Exemption page).
- 2. Out-of-Province Tuition Supplement Exemptions** – Non-Québec Canadian students in the following categories are exempted from out-of-province tuition supplements (details can be found on the Tuition Fee Exemption page):
  - Students in a Ph.D. program
  - Students in a Postgraduate Medical Education program: Medical Residents, Clinical Fellows, Clinical Research Fellows, Research Fellows
  - Students registered full-time in the Master's in French (*Maîtrise en français*). The exemption begins at the moment the student registers in the program, without retroactive effect
- 3. International Students Eligible for Fee Exemptions Based on Legal Status in Canada** – Students with one of the following statuses may be exempt from International Supplements (certain categories of international fees may be assessed at the Canadian tuition rate):
  - Citizens of France
  - Citizens of certain countries with an agreement with the Government of Québec
  - Diplomatic, consular, or other representatives of international organizations
  - Convention refugees
  - Students awaiting permanent residency in Canada and holding an eligible CSQ
  - Students whose spouse holds, or unmarried students whose parent holds a Temporary Work Permit in Canada
  - Students funded by the FRSQ (*Fonds de la recherche en santé du Québec*)

## Where and How Do I Send My Documents

You must send in all your documents after you have accepted your offer of admission but before the start of classes. **Do not send originals.** Email clear and legible copies of your documents. Write your McGill student ID in the filename of 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.

Please refer to the Legal Documents website for detailed instructions on where and how to submit your document according to student category.

If there is a problem with your documents, contact Service Point at:

Telephone: 514-398-7878

Website: [mcgill.ca/servicepoint/contact](https://mcgill.ca/servicepoint/contact)

## Why Does McGill Collect Legal Documents from You

Your tuition status at McGill will vary depending on your legal status in Canada. In order to determine your appropriate rate of tuition (Québec, Canadian out-of-province, or international), we require documentation confirming your current status. The documentation is also required in order to confirm your valid citizenship/immigration status. To find out which documents you must provide and when they are required, refer to What Documents Does McGill Need from You?

Some of the documents McGill requests help us obtain your **Permanent Code** from the Government of Québec. This unique 12-character code is created by the Québec Ministry of Education and is obligatory for all students registered in a Québec institution. If you have previously attended school in Québec, you should already have a Permanent Code; it can be found on your school report card or your CEGEP and/or university transcripts. If you do not already have a Permanent Code, we will request to have it created for you. Once it has been created, it will appear on your unofficial transcript.

You can consult your tuition and legal status (including your Permanent Code) in Minerva. Select *Student Menu > Student Accounts Menu > View your Tuition and Legal Status*.

**Note for Medicine and Health Sciences:** Once admitted to the Faculty, you will be required to provide additional documentation for the purposes of admission and registration. Details are provided in the application instructions. For more information, refer to the Undergraduate Medical Admissions Supporting Documentation page.

## Has McGill Received Your Documents

### Québec/Canadian/International Fees and Immigration Status

Once McGill has received your documents, it usually takes 5-10 business days to process them and update your status accordingly.

- Check your tuition fee and legal status in the Minerva Student Accounts menu: *Student Menu > Student Accounts Menu > View Tuition Fee and Legal Status*. Ensure that you select the correct term when viewing your 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 Québec rate. For information on fees, see Student Accounts.

**If you do not agree with your tuition status, notify McGill immediately.** Documentation provided to modify your legal and

tuition status must be received within the given semester for changes to be applied for that semester. Retroactive tuition status updates are not permitted; requests and documents submitted after the semester has ended will be processed, with changes applied to the *following* semester.

## Permanent Code

Your Permanent Code will be created and/or validated by Québec's Ministry of Education normally within the first six to eight weeks of your first registered semester at McGill.

- 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 What Documents Does McGill Need from You? or the Government of Québec has not yet confirmed that your documents are sufficient to create a Permanent Code.

## What Are the Consequences of Not Providing Your Documents

The deadline to submit documents in support of a change to your tuition status effective for that semester is the last day of classes for that semester (e.g., December 1 for changes to be made to your tuition status for the Fall term, or April 1 for changes to be made for the Winter term).

If documents are still missing from your file after the start of the semester, a hold will be added to your record preventing you from registering or dropping any courses, and in some cases, from obtaining your official transcript.

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

## Graduation Overview

To graduate, you must complete faculty and program requirements in the program you were admitted to and registered in. **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. Certain faculties may require a higher CGPA for graduation.

You should contact your advisor (graduate students should contact their department) early in the graduating year to make sure you will meet your program requirements by graduation time.

Once your record has been approved for graduation, your unofficial and official transcripts will indicate the notation "Degree Granted" after approval by the University Senate. At this point, your academic record is deemed as final and no further record changes may be requested at this time (e.g., grade changes).

- **Fall term graduation** (courses completed by the end of December; transcript will indicate "Degree Granted" in February after approval by the University Senate; diploma will be conferred at Spring convocation): You must apply on Minerva by the end of November.

- **Winter term graduation** (courses completed by the end of April; transcript will indicate "Degree Granted" in May after approval by the University Senate; diploma will be conferred at Spring convocation): You must apply on Minerva by the end of February.
- **Summer term graduation** (courses completed by the end of August; transcript will indicate "Degree Granted" in October after approval by the University Senate; diploma will be conferred at Fall convocation): You must apply on Minerva by mid-May.

For more information on applying to graduate, refer to the Apply to Graduate.

## 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 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's 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 advisor for any conditions applicable to the McGill credits required toward your degree.

Graduate students should confirm their minimum residency requirements for graduate programs. This information is listed for each faculty, and you can also access it through the faculty's graduate pages.

## Apply to Graduate

**Most undergraduate students and non-thesis graduate students (master's, certificates, diplomas) must use Minerva to apply to graduate** (go to *Student Records > Apply for Graduation for Your Primary Curriculum*). It is your responsibility to inform the University 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 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 and Health Sciences or Faculty of Dental Medicine and Oral Health Sciences, where you are automatically flagged for graduation in your final year.

When you apply to graduate, you are confirming the following:

- Your primary curriculum is correct (for any problems, contact your Student Affairs Office).
- You have completed the requirements for graduation or will have completed them by the end of your selected graduation term.

### Optional Convocation and Graduation-Related Processing

Participation in Convocation-related activities and the digital diploma service is optional and does not affect the conferral of your degree.

You may oppose any of the items below by completing the Opposition Form. Unless you submit the form by the applicable deadline, you will be deemed to have authorized the following:



1. **Convocation materials and broadcast:** Inclusion of your name (last name/preferred first name (if available) and image in the McGill Convocation program (print and digital), the live-streamed Convocation broadcast, and other Convocation-related communications.
2. **Academic Regalia Provider:** Communication of your student ID number, name (last name/preferred first name—if applicable), degree, and ceremony information to the academic regalia provider for the purpose of preparing regalia for Convocation.
3. **Convocation Photographer:** Communication of your student ID number, name (last name/preferred first name—if applicable), email address, degree, and ceremony information to the official Convocation photographer for the purpose of organizing graduation photography services.
4. **Professional Order (if applicable):** If you are enrolled in a professional program (e.g., Engineering, Nursing), communication of your legal first and last names, email address, degree, and confirmation of graduation to the relevant professional order (e.g., OIQ, OIIQ) for licensing or accreditation purposes.
5. **Digital Diploma – ARUCC MyCreds™ / MesCertif™:** Communication of your full legal name, McGill student ID number, McGill email address, degree conferred, and date of conferral to ARUCC MyCreds™ / MesCertif™ for the purpose of issuing an official digital diploma and making it available to you through the MyCreds™ / MesCertif™ platform.
  - **Terms of Use:** By your use of MesCertif™, MyCreds™, MyCreds™ Portfolio, MyCreds™ Verification, and MyCreds™ Member (the “Solution”), you will be providing personal information to the Association of Registrars of the Universities and Colleges of Canada – ARUCC and to Digitary Canada Inc. By using the Solution, you agree to be governed exclusively by the MyCreds™ Platform End User Terms.

**To oppose the communication of your personal information for any of the purposes listed above, you must complete an Opposition Form by:**

- April 15 (Spring Convocation), or
- September 15 (Fall Convocation).

## Deadlines

- **Fall term graduation** (courses completed by the end of December; transcript will indicate “Degree Granted” in February after approval by the University Senate; diploma will be conferred at Spring convocation): You must apply on Minerva by the end of November.
- **Winter term graduation** (courses completed by the end of April; transcript will indicate “Degree Granted” in May after approval by the University Senate; diploma will be conferred at Spring convocation): You must apply on Minerva by the end of February.
- **Summer term graduation** (courses completed by the end of August; transcript will indicate “Degree Granted” in October after approval by the University Senate; diploma will be conferred at Fall convocation): You must apply on Minerva by mid-May.

If you miss one of these deadlines, contact your faculty’s Student Affairs Office immediately.

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** If you miss the above deadlines to apply to graduate in Minerva, you can submit a Graduation Term Change Request. However, it is important

that you also meet with a Faculty advisor Arts OASIS or SOUSA to talk about your options and the effect that your request may have on your studies. For more information, see the Academic Advising website.

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

**Note for Graduate and Postdoctoral Studies:** If you miss one of these deadlines, you must follow the procedures on the GPS Graduating page. 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 the program requirements found under each faculty’s *Graduate* section in the McGill Course Catalogue (p. 81). Students in a doctoral program should refer to Regulations Concerning Theses (p. 27).

**Note for Physical and Occupational Therapy:** You must be in Satisfactory Standing with a minimum CGPA of 2.30 to graduate.

## Graduation Approval Query Graduation Approval

As a graduating student, you can view the status of your graduation record on 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 in early January for Fall term graduation, in early April for Winter term graduation and in early September for Summer term graduation.

If you meet all requirements for graduation, your graduation record will indicate **Faculty Approved** on the Graduation Approval Query, and your transcript on Minerva will display the **Degree Granted** notation after the approval of degrees by the University Senate and according to this schedule:

- Late February, for **Fall term** graduation (courses completed by the end of December, Convocation in Spring)
- Late May, for **Winter term** graduation (courses completed by the end of April, Convocation in Spring)
- Late October, for **Summer term** graduation (courses completed by the end of August, Convocation in Fall)

See Graduation and Convocation website for information regarding convocation ceremonies.

**Note for Medicine and Dentistry:** 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 and Health Sciences or Faculty of Dental Medicine and Oral Health Sciences, where you are automatically flagged for graduation in your final year.

## Replacing a Diploma

### Required Documents

Diplomas are normally distributed to new graduates at their Convocation ceremony, in either May/June or October/November. **Diplomas are not available prior to the Convocation ceremony as the date on the parchment corresponds to the date of the ceremony.**



### Replacing a lost diploma

To replace a lost diploma, you must submit an order and pay for its replacement and delivery by courier using the ES Services eStore.

### Requesting a diploma following your Convocation ceremony

If you did not attend your Convocation ceremony and need your diploma, you can submit an order and pay for its delivery by courier using the ES Services eStore or contact Service Point for an appointment to pick up your diploma.

**Unclaimed diplomas will be held for two years after the Convocation ceremony.** If it has been more than two years since Convocation, an unclaimed diploma will be destroyed as per the University Archives retention rules. You will then have to request and pay for a replacement diploma.

### Modifying the name on your diploma

If you have changed your name after graduation and need to obtain a replacement diploma with your new name, first follow the steps to request a name change by completing and signing a Personal Data Change Form and submitting the required supporting documentation. Once you have received confirmation that your McGill record reflects the updated name, submit a request for a replacement diploma and pay the fee for replacement and delivery via courier using the ES Services eStore.

### Certified Copies

Enrolment Services will certify copies of your diploma in the original language or issue certified translations in English (from the original Latin) or French (from the original English or Latin). Starting with Spring 2026 Convocation, the McGill parchment will be issued in English for all degrees except for the Executive MBA (EMBA). Prior to Spring 2026, degrees were issued in English or Latin, depending on the type of degree.

### Submitting Your Request

For all diploma-related requests (i.e., replacement, mailing following convocation, certified copy, or translation) please visit the ES Services eStore.

## Aegrotat Standing and Degree

In rare cases where a student, based on serious medical or similar evidence, is unable to complete their program requirements within a reasonable time, or at all, they may be awarded their degree with *Aegrotat* Standing.

At McGill, this designation may be considered if a student has completed 75% or more of their degree program requirements and based on a serious medical situation or other extenuating circumstance is unable to complete their program. If approved, this could result in the awarding of an *aegrotat* degree. An *aegrotat* indicator of "Yes" in the graduation module signifies that a student was awarded such a degree. An *aegrotat* degree is awarded only to students in Satisfactory Standing who have been unable to complete their degree due to special circumstances toward the end of their program. Information on this degree designation is only included in the convocation program, and not on the transcript.

A degree with *Aegrotat* Standing is rarely granted at McGill University. A formal request must be submitted by the Dean of the student's faculty to the Associate Provost (Student Life and Learning), to approve granting this degree.

## Student Health and Insurance

### Health Resources for McGill Students

The [Student Wellness Hub](#) provides a range of services to support the well-being of McGill Students, focusing on awareness, prevention, and early intervention. If you would like to access physical or mental health support, you can review services available and/or book an appointment on the [Student Wellness Hub](#) website.

All students can also use their [health insurance](#) to access care off-campus. You can review some resources on the [Community Resources](#) page on the Student Wellness Hub website.

If you anticipate encountering ongoing barriers in the academic or physical environment due to disability, injury, or illness, please consult with the Student Accessibility and Achievement office to determine an appropriate individualized accommodation plan. Appropriate medical documentation may be required, and can be discussed with an Access Advisor. Academic accommodation planning and support is available to students at the Downtown Campus as well as the Macdonald Campus, and to students in Continuing Studies. Please refer to the Student Accessibility and Achievement website for more information, or to book an appointment.

**Note for UGME and PGME Students:** See the Office of Medical Learner Affairs.

**Note for Nursing, Physical and Occupational Therapy, and Communication Sciences and Disorders Students:** See the WELL Office.

## Health Insurance Requirements

### International Students (Non-Canadians or Non-Permanent Residents of Canada)

By Senate regulation, all international students (full-time, part-time, half-time, Additional Session, Thesis Evaluation, Non-Thesis Extension, Special, Exchange, and Visiting) and their accompanying dependants must participate in the University's **compulsory International Student Health Insurance Plan (IHI)**. The University, the Québec Ministry of Education, and the Canadian Immigration Authorities require a copy of your proof of health insurance on file. Take note, that minors (less than 18 years of age) can register for the provincial coverage in Québec, *Régie de l'assurance maladie du Québec* (RAMQ).

For details on the IHI plan and information concerning rates, consult the ISS website.

**Exemptions:** Students covered by private health insurance are not exempt from the McGill IHI plan. However, you may be eligible for an exemption by meeting certain criteria. Exemption requests must be made on Minerva under the *International Health Insurance Coverage Menu (for students)* by the set deadlines. Supporting documents for your exemption request should then be uploaded under *Exemption Management* on the International Health Insurance portal.

Exemptions are valid for one year only and must be renewed each subsequent academic year.

All inquiries related to McGill's International Health Insurance Plan must be directed to International Student Services:

International Health Insurance  
Telephone: 514-398-4349

Portal: send an inquiry via the International Health Insurance Portal  
Website: [mcgill.ca/internationalstudents/health](http://mcgill.ca/internationalstudents/health)

**Note for School of Continuing Studies:** International students who are enrolled in **credit** courses at School of Continuing Studies are also billed IHI and should also refer to International Student Services website for information on health insurance.

## Canadian Citizens and Permanent Residents Canadians Residing in Canada

All undergraduate and graduate (classed as Canadian full-time or Additional Session, Thesis Evaluation, Non-Thesis Extension, as well as Postdoctoral candidates) students beginning in the Fall term will be automatically enrolled in the applicable Students' Society's (SSMU, MCSS, or PGSS) **supplemental Health and Dental Plans**. Your supplemental health plan is only valid if you have provincial healthcare or have opted-in to the International Health Insurance Plan. For details on fees, change of coverage dates, and what is covered by the plans, refer to [www.studentcare.ca](http://www.studentcare.ca), or contact:

Studentcare / ASEQ (*Alliance pour la santé étudiante au Québec*)  
Telephone: 514-789-8775 or 1-866-795-4435  
Hours: Monday to Friday, 9 a.m. to 5 p.m.  
Website: [www.studentcare.ca](http://www.studentcare.ca)

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

## Canadians Who Have Been Residing Outside Canada

As soon as you arrive in Québec, you can register for RAMQ (*Régie de l'assurance maladie du Québec*) if you meet the eligibility conditions.

**Important:** If you do not meet the eligibility conditions, in order to ensure adequate health insurance coverage during your studies you may enroll in the International Health Insurance plan offered through International Student Services for international students. **Please note that this option is available only during the first month of each new semester at McGill.**

**Note for School of Continuing Studies:** Continuing Studies students also have access to a health and dental plan offered by MACES.

**Note for Graduate and Postdoctoral Studies:** Graduate students classed as Canadian full-time or Additional Session, Thesis Evaluation, Non-Thesis Extension, as well as postdoctoral candidates are automatically covered by their society's extended Health and Dental Plan (PGSS). Eligible students not charged automatically for insurance fees can choose to enrol themselves during the appropriate Change-of-Coverage period. For more information on what this plan covers, as well as enrolment, opt-out procedures, and deadlines, more information can be found on the PGSS site. Students without valid Canadian provincial healthcare, please see **International Students** or the **Canadians who have been residing outside of Canada** section above.

## Accessibility and Academic Accommodations

If you have special medical needs, **you should book an appointment with the Student Wellness Hub** to discuss how to manage your health while at McGill.

If you anticipate encountering ongoing barriers in the academic or physical environment due to disability, injury, or illness, **please**

**consult with Student Accessibility and Achievement** to determine an appropriate individualized accommodation plan. Appropriate medical documentation may be required, and can be discussed with an Access Advisor. Academic accommodation planning and support is available to students at the Downtown Campus as well as the Macdonald Campus, and to students in Continuing Studies. Please refer to Student Accessibility and Achievement for more information, or to book an appointment.

**Note for UGME and PGME Students:** See the Office of Medical Learner Affairs at [mcgill.ca/schoolofmedicine-learneraffairs](http://mcgill.ca/schoolofmedicine-learneraffairs).

**Note for Nursing, Physical and Occupational Therapy, and Communication Sciences and Disorders Students:** See the WELL Office at [mcgill.ca/thewelloffice](http://mcgill.ca/thewelloffice).

## Academic Accommodation for Pregnant Students and Students Caring for Dependants

McGill acknowledges the particular challenges facing you as a pregnant student and/or as a student caring for a dependant.

McGill supports you in your desire to further your education while meeting your family obligations.

Wishing to provide an environment in which you may be able to continue in your program of study and fulfil your university commitments, McGill's Guidelines for the Academic Accommodation of Pregnant Students and Students Caring for Dependants aim to set out how, and in what exceptional circumstances, you may request academic accommodation.

## Health Professions – Immunization Requirement

A compulsory immunization program exists at McGill for students in health care programs (including Dietetics and 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 on the Student Wellness Hub website or by calling the Student Wellness Hub at 514-398-6017.

## Guidelines and Policies

You must inform yourself of University rules and regulations and keep abreast of any changes that may occur. The *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.

## Failure Policy Failure Policy in Graduate Studies Purpose

This policy specifies conditions under which graduate students will be withdrawn from the University due to Unsatisfactory Standing resulting from failed courses and/or unsatisfactory Graduate Student Research Progress Tracking Reports.

## Scope

This policy pertains to courses and Graduate Student Research Progress Tracking Reports. It does not apply to comprehensive examinations, thesis examinations or doctoral oral defences.

For a failed thesis examination or doctoral oral defence, the Thesis Examination Failures Policy applies; for a failed comprehensive examination, the Ph.D. Comprehensives Policy (p. 43) applies.

## Definitions

- **“Course”**: a course that counts for credit toward the student's degree program (whether required, complementary, or elective), excluding comprehensive examinations. This includes courses approved to be taken at other institutions that count for credit toward the student's degree program.
- **“Graduate Student Research Progress Tracking Report”**: a written record of a meeting attended by the graduate student, his or her supervisor(s) and a member of the supervisory committee or a representative from the academic unit at which objectives for the upcoming year are established and prior progress recorded and evaluated.
- **“Failure”**: withdrawal from the University due to Unsatisfactory Standing.
- **“Student”**: a student registered in a graduate degree program (including those registered in a Qualifying Year).

## Failure Policy

A student will be withdrawn from the University, if they:

1. fail two courses (i.e., two different courses, one failed course plus a failed repeat of the same course or one failed course and a failed supplemental exam for that course); **or**
2. obtain two unsatisfactory Graduate Student Research Progress Tracking Reports and the academic unit in which the student is registered recommends that they be withdrawn; **or**
3. fail one course, obtain one unsatisfactory Graduate Student Research Progress Tracking Report, and the academic unit in which the student is registered recommends that they be withdrawn.

The student's transcript will thereafter indicate that the student was withdrawn from the University.

## Students in a Qualifying Year

Failing a course in a Qualifying Year is equivalent to failing a course in a graduate program, and counts as a first failed course if a student is subsequently admitted to a graduate program in a related field.

## Readmission

A student withdrawn according to this policy cannot apply for readmission to the program from which they were withdrawn.

*Senate, October 11, 2000.*

*Revised by GPS Council, February 10, 2003; February 9, 2015.*

## Procedure to Follow in Cases of Failure

**In the event of course failure:**

- For a **failed course**, the academic unit (department) must:
  - Ensure that the failing grade is recorded on the student's record (if a course).
  - Complete the web form Recommendation Following a First Failure to indicate whether the student will:
    - write a supplemental examination (if academic unit (departmental) policy permits); **or**
    - retake the failed course; **or**
    - substitute the failed course by completing an equivalent course.

**IMPORTANT:** The student will receive a copy of their academic unit's (department's) web form submission *as the official notification of their first failure*.

**In the event of a second failure** (including failure of a supplemental exam:

- The second failing grade must be recorded on the student's record (if a course or supplemental exam).
- 30 days after the academic unit (department) has informed the student of the failure and options for redress, if the student is still in unsatisfactory status, the unit must complete the web form Withdrawal Recommendation Following a Second Failure to recommend to Management of Academic Records Unit, Enrolment Services that the student must be withdrawn from their program.
- Upon receipt of the recommendation for withdrawal, Enrolment Services will send the student an official withdrawal letter and change the status to Withdrawn on the student's academic record.

### Requesting an appeal in case of withdrawal due to failure:

A student recommended for withdrawal due to failure has 30 days (from the date of the notification letter) to appeal this decision. It is the student's responsibility to present evidence of their case and provide any supporting documentation, including letters of support from their thesis supervisor and Graduate Program Director, to [associatedeans.gps@mcgill.ca](mailto:associatedeans.gps@mcgill.ca). The appeal and any supporting documents will be reviewed by the Associate Dean, Graduate and Postdoctoral Studies, and the student will be notified of the decision. That decision will be **final**. Students should be aware that appeals are rarely awarded, and only under truly exceptional circumstances.

A student who wishes to submit an appeal must:

- Prepare a detailed letter indicating the reasons for the appeal (addressed to the Graduate Associate Dean);
- Obtain any supporting documents (addressed to the Graduate Associate Dean);
- Submit the letter, together with all supporting documents, to [associatedeans.gps@mcgill.ca](mailto:associatedeans.gps@mcgill.ca), **before** the end of this 30-day period.

**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 Grading and Grade Point Averages (GPA) (p. 23) > “L - deferred” and “LE or L\* - further deferral”) must be submitted to Graduate and Postdoctoral Studies with a recommendation from the academic unit (department) 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 (p. 37).

## Graduate Student Research Progress Tracking

### 1. Research Progress Reporting for Doctoral Students

1.1. At least annually, there must be a progress tracking meeting at which objectives for the upcoming year are established and prior progress recorded and evaluated on the Graduate Student Research Progress Tracking Form (available at [mcgill.ca/gps/students/progress-tracking](http://mcgill.ca/gps/students/progress-tracking)). For doctoral students whose committees have been formed, a member of the supervisory committee must also attend. If a committee member is unavailable, a representative from the academic unit may exceptionally attend in lieu of a committee member.

1.2. Students should be informed of the phases through which they must pass towards the achievement of the graduate degree, the approximate amount of time each phase should take, the criteria for successful completion, and any deadlines relating to these phases.

1.3. Units may also use the Graduate Student Research Progress Tracking Form for master's students in thesis and non-thesis research programs if this is a unit-wide practice.

### 2. Procedures

2.1. At the first annual progress reporting meeting (to be held shortly after doctoral students begin their programs), written objectives/expectations for the year must be recorded in the **objectives** box on page 1 of the form. Those attending the meeting-the student, the supervisor, and a member of the supervisory committee (or exceptionally, a representative from the academic unit if a committee member is not available)-must sign the form on page 3.

2.2. Subsequently, the student and supervisor(s), and a member of the supervisory committee (or exceptionally, a representative from the academic unit if a committee member is not available) must meet annually to review the progress that has been achieved toward the recorded objectives. Prior to these meetings, the student should record their accomplishments and progress for the year by completing the **progress** box on page 1 of the form. This completed form is then evaluated by the committee (i.e., supervisor and the member of the supervisory committee or exceptionally, a representative from the academic unit if a committee member is not available) on page 2 of the form. It is strongly recommended that this section include a detailed assessment of student progress from the perspective of the supervisory committee. All parties sign the form on page 3. At this same meeting, objectives for the following year should be recorded in the **objectives** box on page 1 of the same form.

2.3. If progress is judged unsatisfactory, a follow-up progress tracking meeting must occur not sooner than 4 months and not later than 6 months after the first report. A deadline for the follow-

up meeting must be indicated on page 2 of the form. If progress is judged satisfactory at the follow-up meeting, the timing of the next progress tracking meeting will be determined by the regular deadlines indicated in myProgress milestones for the student's program.

2.4. Two unsatisfactory reports (not necessarily successive) constitute unsatisfactory progress towards the degree and, if recommended by the academic unit, the student will be withdrawn from the University.

2.5. A student or faculty member who refuses to sign the form must write a statement detailing their reasons for not signing. This statement may be submitted to the committee and Graduate Program Director to be retained with the progress tracking form or submitted confidentially to the GPS Associate Dean.

2.6. In cases where the student has missed an established progress report deadline and has not responded to the unit within 4 weeks after being contacted by the academic unit, the report may be completed in the student's absence, and progress may be judged unsatisfactory.

2.7. The progress tracking forms must be uploaded to the student's record on myProgress.

2.8. The Graduate Program Director must review and sign all Progress Tracking Reports. If the Graduate Program Director is signing as the supervisor, committee member, or as a unit representative in lieu of a committee member, then the Chair will sign.

*Senate, Sept. 2003; Revised Sept. 2014, Sept. 2015, and March 2016.*

## Graduate Student Supervision

### 1. Principles

1.1. Supervision is a recognized aspect of the academic duty of teaching.

1.2. Supervision involves responsibilities on the part of both the supervisor and supervisee.

### 2. Supervisors and Supervisory Committees

2.1. Although procedures and timeframes for choosing supervisors and supervisory committees may vary across programs, they must be consistent within a particular program and must be made clear to students. Units 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.

2.2. Graduate supervision is recognized as an integral part of the academic responsibility of professors in academic units where supervision is the normal practice, and must be considered in the allocation of workload, as should the teaching of graduate courses.



2.3. Thesis supervisors must be chosen from full-time tenure-track or tenured academic staff, or ranked contract academic staff who have research as part of their duties. Supervisors should have competence in the student's proposed area of research. When thesis supervisors retire or resign from the University, they cannot act as sole supervisors but may serve as co-supervisors, with the unit's and GPS's consent.

2.4. Emeritus Professors may not act as sole supervisors but may serve as co-supervisors, with the unit's and GPS's consent.

2.5. Adjunct Professors may not act as sole supervisors but may serve as co-supervisors, with the unit's and GPS's approval. After approval, a letter of understanding, signed by the co-supervisor and the supervisee, must be submitted to GPS. If problems arise, the McGill supervisor will be held accountable to McGill policies and regulations.

2.6. The academic unit must ensure continuity of appropriate supervision when a student is separated from a supervisor, for example, when the supervisor is on sabbatical, leaves McGill, or retires.

2.7. Ph.D. students must have a supervisory committee consisting of at least one faculty member in addition to the supervisor(s). The supervisory committee must provide, on a regular basis, guidance and constructive feedback on the student's research (Graduate Student Research Progress Tracking).

2.8. A Letter of Understanding (LOU) is mandatory between Ph.D. students and their supervisor(s). GPS strongly recommends that units also implement an LOU for master's students.

2.9. The Chair of the academic unit (or delegate) must address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. If the issue cannot be resolved at the unit level, or in the case of confidentiality concerns, then an Associate Dean from Graduate and Postdoctoral Studies must be contacted to facilitate a resolution. The Chair must correspond with all parties concerning the decision, proposed actions, and resulting implications 10 working days prior to any action being taken. Appeals of the Chair's decision must be addressed to the Associate Dean (Graduate and Postdoctoral Studies).

### 3. Orientation

3.1. **Supervisees:** Graduate students must participate, before registration, in a mandatory online orientation that includes sections on supervisee responsibilities.

3.2. **Supervisors:** Professors who have not yet engaged in graduate supervision at McGill are required to participate in a supervisory orientation approved by GPS. Professors who have not supervised for 5 or more years must meet with their Chairs to determine if such orientation is necessary.

*Council of FGSR, April 23, 1999; Revised Oct. 6, 2003, Sept. 15, 2014, Sept. 14, 2015, and 01 Feb. 2021.*

*Senate, March 23, 2016.*

## 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. This policy covers exams and other written work (essays/papers, assignments, and lab reports). This policy does not apply to Ph.D. comprehensive examinations. See Ph.D. Comprehensives Policy (p. 43) for more information.

### 1. Consultation

In accordance with the Charter of Students' Rights (available at [mcgill.ca/deanofstudents/student-rights-and-conduct/student-rights](http://mcgill.ca/deanofstudents/student-rights-and-conduct/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 true even if the materials in question have already been discussed by the TA with the student.

### 2. 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.

### 3. 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. An essay/paper, assignment, or lab report must account for more than 20% of the course grade to be eligible for a reread.

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.

- a. 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 their intention to request a reread by writing to Graduate and Postdoctoral Studies ([associatedeans.gps@mcgill.ca](mailto:associatedeans.gps@mcgill.ca)) within 5 working days of receiving the graded work. This intention must be confirmed within 30 days of the posting of the final marks for the course.

**Note:** Material that has been 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.

- b. The request for a formal reread must be made by the student in writing to Graduate and Postdoctoral Studies ([associatedeans.gps@mcgill.ca](mailto:associatedeans.gps@mcgill.ca)) 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 will be charged directly to the student's fee account after the result of the reread is received; this will be reimbursed if there is an upwards change in the letter grade for the course. The reread fee amount and other details can be found on the Student Accounts website.
- c. Administration of the reread is handled by Graduate and Postdoctoral Studies, not by the department. Graduate and Postdoctoral Studies will contact the department to obtain the course syllabus, 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 Graduate Program Director must, as well, vouch for the impartiality of these readers.** All communication with the second reader is conducted by Graduate and Postdoctoral Studies.

The second reader is given the course syllabus, 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.

- d. 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 (available at [mcgill.ca/deanofstudents/student-rights-and-conduct/student-rights](http://mcgill.ca/deanofstudents/student-rights-and-conduct/student-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.
- e. 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 who had previously agreed to the reread. Neither the reread grade nor the decision to opt in or out of the reread can be challenged.

- f. 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 FGSR, May 12, 1995.*

*Revised May 1997, January 2011, July 2014, July 2015.*

## 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.

## 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.

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 [mcgill.ca/continuingstudies/area-of-study/languages](http://mcgill.ca/continuingstudies/area-of-study/languages) and the French Language Centre at [mcgill.ca/flc](http://mcgill.ca/flc), and in Summer Studies and Continuing Studies.

**Note for the Faculty of Education:** There are special language requirements for Faculty of Education students; see Faculty of Education.

**Note for Continuing Studies:** For English language programs, refer to the School of Continuing Studies' Global and Strategic Communications section.

**Note for the Faculty of 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 Courses Taken as Extra to a Program (p. 15) in the Graduate Regulations and Resources.

**Note for Health Sciences:** Students studying in the Faculties of Dental Medicine and Oral Health Sciences or Medicine and Health

Sciences or in the Schools of Human Nutrition, Nursing, or Physical and Occupational Therapy should consult the Health Sciences language requirements and any language policies pertaining to their specific program. Programs with a clinical component require that students have a working knowledge of both English and French. For French language proficiency guidelines, refer to [mcgill.ca/undergraduate-admissions/french-proficiency](http://mcgill.ca/undergraduate-admissions/french-proficiency).

## Leave of Absence Status

### Graduate and Postdoctoral Leave of Absence Policy

A leave of absence may be granted for reasons such as:

- maternity or parenting
- personal or family health
- professional development (graduate students only)
- required military service (graduate students only)
- employment that precludes progress toward the degree (graduate students only)
- delays with or a lapse in valid immigration status

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 submit a request, by completing the appropriate web form, to their department along with supporting documentation justifying the leave. The department shall forward the request for approval to Enrolment Services, Management of Academic Records.

A status of "leave of absence" will display on the records of students and postdocs during the specified period of the authorized leave.

It remains the student's responsibility to verify their record; in particular, as it pertains to term and course registration to ensure that the accurate information is reflected.

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. Students and postdocs will have free access to the University's academic facilities. Library services will continue to be available by registering at the Humanities and Social Sciences Library (McLennan-Redpath).

During a **leave of absence for personal health reasons**, a student will **not** be eligible to request guidance on thesis and research work or to take courses. Students and postdocs will not have access to the University's academic facilities but library services will normally continue to be available by registering at the Humanities and Social Sciences Library (McLennan-Redpath).

#### NOTES:

- Requests for a leave of absence due to health, familial, or parental reasons must be supported by a medical certificate.
- Requests for a leave of absence due to professional development are for activities that preclude progress toward the degree.
- A request for leave without proper justification and supporting documents will **not** be considered.
- A request for retroactive leave of absence will **not** be considered.

- No tuition fees will be charged for the duration of the authorized leave.
- A Leave of Absence may have an impact on a student's fee status once they re-enroll after their approved leave. For more information, refer to the Break in Enrolment section on the Student Accounts webpage.
- Research supervisors are not obligated to remunerate students and postdocs on leave.
- In order to be covered by the graduate supplemental health insurance and/or international health insurance during a leave, The Post Graduate Student Society (PGSS) and/or International Student Services must be contacted to make arrangements. Additional student society fees must be paid in order to be considered as a member and to be eligible for the PGSS supplemental health and dental coverage and international health insurance plan, respectively.
- A postdoc requesting a personal health or parental leave will extend their five-year eligibility term for registration. If granted, the leave must not exceed an eligibility window of 10 years from the date the Ph.D. degree was awarded.
- If you have concerns about disclosing your medical condition, you may contact the Associate Dean of Graduate and Postdoctoral Studies for advice before submitting your request for leave.
- For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended.

### Leave vs. Residency Requirements

A leave in a residency term may be requested; however, upon return and re-registration in the program, it is the student's responsibility to ensure that the missing residency requirements are completed. A leave indicates a break in the program.

For more information on residency requirements refer to the Program Requirements (p. 21) page.

### Applying to Graduate Following a Leave

If on leave of absence during the Fall term, the student must register for an active term of study in the Winter term (at least) in order to apply for graduation.

If on leave of absence during the Winter and/or Summer terms, the student must register for an active term of study in the Fall term (at least) in order to apply for graduation.

### Funding Council Leave Policies for Graduate and Postdoctoral Fellowships

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 is available at [mcgill.ca/gps/funding/getting-paid](http://mcgill.ca/gps/funding/getting-paid); see information on the "Funding Council Leave Policies for Graduate Students and Postdoctoral Fellows".

### Procedure for Requesting a Leave

To submit a request for leave to the department, the student or postdoc must:

- complete the *Request for a Leave* web form available at: [mcgill.ca/student-records/forms](http://mcgill.ca/student-records/forms); and

- submit the necessary supporting documents (e.g., a medical certificate, proof of employment, proof of mandatory military service) to the graduate department.

Once the department has received and reviewed the request and supporting documents, if the request is justified, a recommendation for approval will be sent via email to Enrolment Services, Management of Academic Records.

The student or postdoc will be notified once their record has been updated to indicate the leave.

#### NOTES:

- A medical certificate must contain at least the following items:
  - the student or postdoc's name, as well as complete contact information for the physician;
  - a clear statement by the physician justifying the student or postdoc's inability to perform their academic duties, with start and end dates; and
  - if the request is submitted during a term for which the leave is requested, a clear explanation as to why the health condition(s) in question did not prevent the normal performance of academic duties at the beginning of the term.
- Requests without supporting documentation will **not** be considered.

## Vacation Policy for Graduate Students and Postdocs

Graduate students and non-unionized Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of 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.

Unionized Postdocs should consult the Collective Agreement for their vacation entitlement.

## Ph.D. Comprehensives Policy

### Preamble

All doctoral programs at McGill require candidates to pass a comprehensive examination, such as a qualifying examination, a preliminary examination, a candidacy paper, a comprehensive evaluation, a thesis proposal, etc. 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 must be specified by departmental regulations and approved by Graduate and Postdoctoral Studies. It is the responsibility of the Unit to make this information widely available and for students to inform themselves of these details.

### Objectives and Content

The purpose of comprehensive examinations is to determine whether the student demonstrates the necessary research skills and academic achievements to continue in the Ph.D. program. Permissible objectives may only include assessing foundational knowledge of the discipline (retrospective comprehensive) and/or ability to conduct independent and original research (prospective comprehensive). As such, comprehensive examinations must not

reexamine graduate course content completed at McGill. Units must consult GPS guidelines for retrospective and prospective exams when establishing their comprehensives.

The content of the comprehensive must be consistent with the stated objectives and should be appropriately circumscribed. At least 3 months prior to the examination, 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

Units must provide doctoral students with a written description of the Ph.D. comprehensive process, detailing objectives and content, format, timing, assessment, grading and reporting, and failures (and procedures for repeats).

The format of the comprehensive must be consistent for all students within a given program. The following list gives some of the more common formats, which are often combined:

- written examination
- take-home examination
- synthesis of relevant research in the field
- written research proposal and/or thesis proposal
- oral examination or defence

### Timing

Units must clearly specify when the comprehensive must be taken and how this fits into the program milestones, e.g., whether all coursework must have been completed prior to undertaking the comprehensive and/or whether the comprehensive is the final step before thesis research and writing.

Scheduling of the comprehensive must be specified by the unit and the comprehensive exam must be completed by the end of PhD3. Students must be informed of the date of the exam with sufficient time to prepare for it.

### Assessment

Assessment parameters must be made clear to the student in advance of the examination. This includes information about who sets the exam questions and who evaluates the student. If performance is assessed by a committee, it must be made clear how the committee is appointed and who sits on it, and how the evaluation is to be carried out (consensus or vote).

Where there is more than one component to the examination (e.g., an oral exam plus a written exam), it must be made clear to the student how these components are factored into the final grade. For example, it must be clearly specified whether each component counts equally, whether the assessment is global, and whether failure of one part of the comprehensive examination (or of one question) results in overall failure.

All Ph.D. comprehensives must be represented by an administrative course number, usually XXXX 701. Grading of this course must be Pass/Fail. A Pass is required for students to continue in the program.

## Feedback

The assessment and reasons for the decision, including identifying specific strengths and weaknesses, must be provided to the student in writing within 2 weeks of the examination. There must be sufficient detail to allow the student to understand the decision.

In the case of oral examinations, the student must be given feedback on presentation, logical exposition, ability to answer questions, etc. To help ensure that assessments can be put in context, units may choose to make a record of the examination (including audio or video recording) and/or to have a neutral observer, chair, or outside committee member, or to make the oral presentation open to members of the academic unit. If recorded, an unedited copy of the recording must be forwarded to the student within 2 weeks of the examination.

## Failures

In the event that the student is judged to have failed the comprehensive, units must allow, without prejudice, one repeat of the comprehensive (in whole or in part) within a minimum of four months and a maximum of six months. After the first failure, a grade of HH (which designates "continuing") will be recorded on the student's transcript.

The student must be informed in a face-to-face meeting and in writing by the department that they have failed the comprehensive. At this meeting and in the written document, the student must be informed of conditions relating to a repeat of the examination, including the nature of the re-examination and committee membership, as well as the deadline for retaking the exam. 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.

If the student does not repeat the exam by the deadline specified by the unit, the HH will be converted into F and the student will be withdrawn from the university. In the event that the repeat comprehensive is passed, the grade of HH will be converted to a Pass and the student will be allowed to continue in the program.

## Appeals

A student withdrawn due to failure of their comprehensive exam has 30 days to appeal this decision. They must follow the steps specified under Requesting an appeal in case of withdrawal due to failure in the Failure Policy (p. 37).

*Approved by Executive of Faculty of Graduate Studies and Research (FGSR) Feb. 17, 1997 and Council of FGSR March 7, 1997; Revised by GPS July 9, 2014, June 29, 2015, June 14, 2017, December 18, 2019 and April 11, 2022.*

## Admission of Former Students

Students who have reached time limitation, who have officially withdrawn from the University by submitting a Withdrawal Form, or who are not currently registered are eligible to be considered for readmission into their program. The student's academic unit must recommend that the student be readmitted, stipulating any conditions for readmission that it deems appropriate. If the student's unit chooses not to recommend readmission, 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.

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. Fees will be based on the term of readmission up to the time limit of the degree (i.e., Master's 3 or PhD7) plus the term of readmission. Applicants should direct questions regarding fees to the appropriate Graduate Program Coordinator/Administrator.

The Request for Readmission Form and other pertinent details regarding the readmission procedure can be found on the GPS website for Time Limitation.

*Council – February 9, 2004; Revised January 18, 2016.*

*Senate – March 23, 2016.*

## 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, after which the student will be withdrawn from the University.

Candidates for doctoral degrees must complete the degree by the end of PhD7. Please note that students admitted after a master's degree are normally considered to be PhD2 and not PhD1 (direct entry). Students should contact their Graduate Program Coordinator/Administrator to confirm the number of years in which they must complete the degree.

The object of these regulations is to encourage candidates to complete their theses and qualify for their degree without undue delay.

Students who do not complete their degree requirements within the time limits stated above will be withdrawn from the University and will lose their student status and access to McGill facilities and support. International students on study permits will also be required to leave Canada.

Students can apply for readmission by completing and submitting the Request for Readmission webform only when they are ready to submit their thesis and will be charged fees for the term of readmission and any future terms of registration up to and including their term of graduation.

*Council of FGSR, February 2, 1996; Revised January 18, 2016.*

*Senate, April 20, 2016.*

## Policy on Assessment of Student Learning

The purpose of the Policy on Assessment of Student Learning (PASL) is to provide a set of common principles to guide assessment of student learning throughout McGill University, recognizing the different needs of Faculties and academic units.

The Policy promotes equity, consistency, effective learning experiences, a healthy learning environment, and academic integrity under the Code of Student Conduct and Disciplinary Procedures.



The Policy applies to all undergraduate and graduate courses offered by McGill University for which credit is earned and students receive a final grade on an official McGill transcript. Faculties and other units may develop their own local assessment guidelines and procedures that are consistent with this Policy and any other University regulations.

The Policy is available in English and in French on the Secretariat website.

Learn more and find additional resources on the PASL website.

## Graduate Studies at a Glance

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

### Faculty of Agricultural and Environmental Sciences

| Department                                      | Degrees Available                           |
|-------------------------------------------------|---------------------------------------------|
| Agricultural Economics (p. 85)                  | M.Sc.                                       |
| Animal Science (p. 86)                          | M.Sc., M.Sc.A., Ph.D.                       |
| Bioresource Engineering (p. 90)                 | M.Sc., M.Sc.A., Ph.D.                       |
| Biotechnology (p. 97)                           | M.Sc.A., Graduate Certificate               |
| Food Science and Agricultural Chemistry (p. 99) | M.Sc., Ph.D.                                |
| Human Nutrition (p. 102)                        | M.Sc., M.Sc.A., Ph.D., Graduate Diploma     |
| Natural Resource Sciences (p. 107)              | M.Sc., Ph.D.                                |
| Parasitology (p. 112)                           | M.Sc., Ph.D.                                |
| Plant Science (p. 114)                          | M.Sc., M.Sc.A., Ph.D., Graduate Certificate |

### Faculty of Arts

| Department                                            | Degrees Available                          |
|-------------------------------------------------------|--------------------------------------------|
| Anthropology (p. 121)                                 | M.A., Ph.D.                                |
| Art History (p. 125)                                  | M.A., Ph.D.                                |
| Classics – see History and Classical Studies (p. 148) | N/A                                        |
| Communication Studies (p. 129)                        | M.A., Ph.D.                                |
| East Asian Studies (p. 132)                           | M.A. (Ad Hoc), Ph.D. (Ad Hoc)              |
| Economics (p. 133)                                    | M.A., Ph.D.                                |
| English (p. 137)                                      | M.A., Ph.D.                                |
| French Language and Literature (p. 139)               | M.A., Ph.D.                                |
| Geography (p. 143)                                    | M.A., Ph.D.                                |
| History and Classical Studies (p. 148)                | M.A., Ph.D.                                |
| Information Studies (p. 153)                          | M.I.St., Ph.D., Graduate Certificate       |
| International Development (p. 160)                    | N/A                                        |
| Islamic Studies (p. 161)                              | M.A., Ph.D.                                |
| Jewish Studies (p. 165)                               | M.A., Ph.D. (Ad Hoc)                       |
| Languages, Literatures, and Cultures (p. 167)         | M.A., M.A. (Ad Hoc), Ph.D., Ph.D. (Ad Hoc) |
| Linguistics (p. 174)                                  | M.A., Ph.D.                                |

|                                                |                                              |
|------------------------------------------------|----------------------------------------------|
| Mathematics and Statistics (p. 177)            | M.A., Ph.D.                                  |
| Philosophy (p. 179)                            | M.A., Ph.D.                                  |
| Political Science (p. 185)                     | M.A., Ph.D.                                  |
| Public Policy (p. 197)                         | M.P.P.                                       |
| Psychology (p. 193)                            | M.A., Ph.D.                                  |
| Quebec Studies / Études sur le Québec (p. 199) | N/A                                          |
| Religious Studies (p. 200)                     | M.A., S.T.M., Ph.D.                          |
| Social Studies of Medicine (p. 205)            | N/A                                          |
| Social Work (p. 206)                           | M.Sc.A., M.S.W., M.S.W. & B.C.L./J.D., Ph.D. |
| Sociology (p. 214)                             | M.A., Ph.D.                                  |

### Faculty of Dental Medicine and Oral Health Sciences

| Department                                                   | Degrees Available |
|--------------------------------------------------------------|-------------------|
| Faculty of Dental Medicine and Oral Health Sciences (p. 227) | M.Sc. Ph.D.       |

### Faculty of Education

| Department                                      | Degrees Available                    |
|-------------------------------------------------|--------------------------------------|
| Educational and Counselling Psychology (p. 231) | M.A., M.Ed., Ph.D., Graduate Diploma |
| Integrated Studies in Education (p. 248)        | M.A., Ph.D., Graduate Certificate    |
| Kinesiology and Physical Education (p. 277)     | M.A., M.Sc., Ph.D.                   |

### Faculty of Engineering

| Department                                                                       | Degrees Available                      |
|----------------------------------------------------------------------------------|----------------------------------------|
| Architecture (p. 281)                                                            | M.Arch., Ph.D.                         |
| Chemical Engineering (p. 287)                                                    | M.Eng., Ph.D.                          |
| Civil Engineering (p. 291)                                                       | M.Sc., M.Eng., Ph.D.                   |
| Electrical and Computer Engineering (p. 295)                                     | M.Sc., M.Eng., Ph.D.                   |
| Mechanical Engineering (p. 300)                                                  | M.Sc., M.Eng., Ph.D.                   |
| Mining and Materials Engineering (p. 304)                                        | M.Sc., M.Eng., Ph.D., Graduate Diploma |
| Trottier Institute for Sustainability in Engineering and Design (TISED) (p. 310) | M.Eng.                                 |
| Urban Planning (p. 313)                                                          | M.U.P., Ph.D.                          |

### Bieler School of Environment

| Department           | Degrees Available |
|----------------------|-------------------|
| Environment (p. 319) | N/A               |

### Interfaculty Studies

| Department                                                      | Degrees Available    |
|-----------------------------------------------------------------|----------------------|
| Biological and Biomedical Engineering (p. 321)                  | M.Sc., M.Eng., Ph.D. |
| Graduate Certificate in Foundations of Health Science Education | Graduate Certificate |



|                                            |              |
|--------------------------------------------|--------------|
| Neuroscience (Integrated Program) (p. 328) | M.Sc., Ph.D. |
| Quantitative Life Sciences (p. 331)        | Ph.D.        |

## Faculty of Law

| Department   | Degrees Available                                         |
|--------------|-----------------------------------------------------------|
| Law (p. 333) | LL.M., D.C.L., Graduate Certificate, M.S.W. & B.C.L./J.D. |

## Desautels Faculty of Management

| Department                               | Degrees Available                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Desautels Faculty of Management (p. 344) | M.B.A., M.B.A. with Integrated B.C.L./LL.B., M.B.A. & M.D./C.M., M.B.A./Japan, E.M.B.A., M.M., Ph.D., Graduate Certificate |

## Faculty of Medicine and Health Sciences

| Department                                    | Degrees Available                                    |
|-----------------------------------------------|------------------------------------------------------|
| Anatomy and Cell Biology (p. 394)             | M.Sc., Ph.D.                                         |
| Biochemistry (p. 385)                         | M.Sc., Ph.D.                                         |
| Bioethics (p. 385)                            | N/A                                                  |
| Biomedical Engineering (p. 385)               | Graduate Certificate                                 |
| Communication Sciences and Disorders (p. 410) | M.Sc., M.Sc.A., Ph.D.                                |
| Epidemiology and Biostatistics (p. 421)       | M.Sc., Ph.D.                                         |
| Human Genetics (p. 401)                       | M.Sc., Ph.D.                                         |
| Medical Physics (p. 361)                      | M.Sc., Graduate Diploma                              |
| Medicine, Experimental (p. 361)               | M.Sc., Ph.D., Graduate Diploma                       |
| Medicine, Family (p. 361)                     | M.Sc., Ph.D.                                         |
| Microbiology and Immunology (p. 404)          | M.Sc., Ph.D.                                         |
| Occupational Health (p. 428)                  | M.Sc.A., Ph.D.                                       |
| Oncology (p. 375)                             | Graduate Diploma                                     |
| Otolaryngology - Head and Neck Surgery        | M.Sc.                                                |
| Pathology (p. 376)                            | M.Sc., Ph.D.                                         |
| Pharmacology and Therapeutics (p. 404)        | M.Sc., Ph.D.                                         |
| Physiology (p. 407)                           | M.Sc., Ph.D.                                         |
| Psychiatry (p. 377)                           | M.Sc.                                                |
| Surgical and Interventional Sciences (p. 383) | M.Sc., Ph.D., Graduate Certificate, Graduate Diploma |

## Schulich School of Music

| Department                        | Degrees Available                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Schulich School of Music (p. 431) | M.A., M.Mus., D.Mus., Ph.D., Graduate Artist Diploma, Graduate Certificate, Graduate Diploma, Post-Graduate Artist Diploma |

## Ingram School of Nursing

| Department       | Degrees Available                                      |
|------------------|--------------------------------------------------------|
| Nursing (p. 453) | M.Sc.A., Ph.D., Graduate Certificate, Graduate Diploma |

## School of Physical and Occupational Therapy

| Department                                                     | Degrees Available                           |
|----------------------------------------------------------------|---------------------------------------------|
| About the School of Physical and Occupational Therapy (p. 468) | M.Sc., M.Sc.A., Ph.D., Graduate Certificate |

## Faculty of Science

| Department                                                                                                      | Degrees Available |
|-----------------------------------------------------------------------------------------------------------------|-------------------|
| Atmospheric and Oceanic Sciences (p. 478)                                                                       | M.Sc., Ph.D.      |
| Biology (p. 482)                                                                                                | M.Sc., Ph.D.      |
| Chemistry (p. 486)                                                                                              | M.Sc., Ph.D.      |
| Computer Science (p. 489)                                                                                       | M.Sc., Ph.D.      |
| Earth and Planetary Sciences (p. 494)                                                                           | M.Sc., Ph.D.      |
| Geography (Science > Graduate > Browse Academic Units & Programs > Geography)                                   | M.Sc., Ph.D.      |
| Mathematics and Statistics (Science > Graduate > Browse Academic Units & Programs > Mathematics and Statistics) | M.Sc., Ph.D.      |
| Physics (p. 505)                                                                                                | M.Sc., Ph.D.      |
| Psychology (Science > Graduate > Browse Academic Units & Programs > Psychology)                                 | M.Sc., Ph.D.      |

<sup>1</sup> The Faculty of Science

## Master's Degrees Available at McGill

The following list shows all of the master's degrees available at McGill, along with their prerequisites. See Master's Degree Programs and Specializations (p. 45) for more information on specific programs and options.

| Degree                                     | Prerequisites                                                                                                                                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Master of Architecture (M.Arch.)           | Professional degree – McGill B.Sc. (Arch.) degree, or equivalent.                                                                                                                                            |
| 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 M.B.A. Programs.                                                                                                                                    |
| Master of Education (M.Ed.)                | 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. |

|                                                                                                  |                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Master of Engineering (M.Eng.)                                                                   | Bachelor of Engineering or equivalent, with specialization appropriate for the subject selected for graduate study. See appropriate department.                                                                                                                                                                              |
| Master of Information Studies (M.I.St.)                                                          | At least a bachelor's degree from a recognized university. See Information Studies Admission Requirements and Application Procedures.                                                                                                                                                                                        |
| Master of Laws (LL.M.)                                                                           | An acceptable degree in Law or equivalent qualifications. See Law Admission Requirements and Application Procedures.                                                                                                                                                                                                         |
| Master of Management (M.M.)                                                                      | See Master of Management Programs.                                                                                                                                                                                                                                                                                           |
| Master of Music (M.Mus.)                                                                         | Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study. Applicants to the Performance program are required to pass auditions in their specialty. See Schulich School of Music.                                                                                                     |
| Master of Sacred Theology (S.T.M.)                                                               | B.A. with specialization in religious studies or theology. See Religious Studies Admission Requirements and Application Procedures.                                                                                                                                                                                          |
| Master of Science (M.Sc.)                                                                        | Bachelor of Science in the subject selected for graduate work. See appropriate unit.                                                                                                                                                                                                                                         |
| Master of Science, Applied (M.Sc.A.)                                                             | A bachelor's degree in the subject selected for graduate work. See appropriate unit.                                                                                                                                                                                                                                         |
| Master of Social Work (M.S.W.)                                                                   | Bachelor's degree in Social Work including courses in statistics and social science research methods. See Social Work Admission Requirements and Application Procedures.                                                                                                                                                     |
| Master of Social Work with Bachelor of Civil Law and Bachelor of Laws (M.S.W. with B.C.L./LL.B.) | See Social Work Admission Requirements and Application Procedures.                                                                                                                                                                                                                                                           |
| 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 Admission Requirements and Application Procedures. |

- 6 Religious Studies Admission Requirements and Application  
 7 Procedures (p. 200)  
 Social Work Admission Requirements and Application Procedures  
 8 (p. 206)  
 Urban Planning Admission Requirements and Application Procedures  
 (p. 313)

## Master's Degree Programs and Specializations

The following list shows all of the programs and options available for each degree at McGill.

### Master of Architecture (M.Arch.)

| Program           | Thesis/Non-Thesis | Options                                                    |
|-------------------|-------------------|------------------------------------------------------------|
| Professional      | Non-Thesis        | Design Studio, Design Studio - Directed Research           |
| Post-professional | Non-Thesis        | Architectural History and Theory, Urban Design and Housing |

### Master of Arts (M.A.)

| Program                | Thesis/Non-Thesis                                          | Options                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anthropology           | Thesis                                                     | Development Studies, Environment, Gender and Women's Studies                                                                                                                                                           |
| Art History            | Thesis                                                     | Gender and Women's Studies                                                                                                                                                                                             |
| Classics               | Thesis, Non-Thesis                                         | N/A                                                                                                                                                                                                                    |
| Communication Studies  | Thesis, Non-Thesis                                         | Gender and Women's Studies (Thesis)                                                                                                                                                                                    |
| Counselling Psychology | Non-Thesis (Professional Internship), Non-Thesis (Project) | N/A                                                                                                                                                                                                                    |
| East Asian Studies     | Thesis (Ad Hoc)                                            | N/A                                                                                                                                                                                                                    |
| Economics              | Thesis, Non-Thesis                                         | Development Studies, Population Dynamics                                                                                                                                                                               |
| Educational Psychology | Thesis                                                     | Health Professions Education, Human Development, Learning Sciences, School/Applied Child Psychology                                                                                                                    |
| Education and Society  | Thesis, Non-Thesis                                         | Gender and Women's Studies, Mathematics and Science Education (Thesis), Course Work, Course Work Math & Science Education, Gender and Women's Studies, Jewish Education, Project Math & Science Education (Non-Thesis) |

- 1 M.B.A Programs (p. 344)  
 2 Information Studies Admission Requirements and Application  
 3 Procedures (p. 153)  
 4 Law Admission Requirements and Application Procedures  
 5 Master of Management Programs (p. 344)  
 Schulich School of Music

|                                     |                                                       |                                                                                                                                                   |
|-------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Educational Leadership              | Thesis, Non-Thesis (Coursework), Non-Thesis (Project) | Gender and Women's Studies (Thesis), Gender and Women's Studies (Non-Thesis (Project))                                                            |
| English                             | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| French Language and Literature      | Thesis, Non-Thesis                                    | Gender and Women's Studies (Thesis)                                                                                                               |
| Geography                           | Thesis                                                | Development Studies, Environment, Gender and Women's Studies, Neotropical Environment                                                             |
| German                              | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| Hispanic Studies                    | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| History                             | Thesis, Non-Thesis                                    | Development Studies, European Studies, Gender and Women's Studies (Thesis), Development Studies, European Studies, Gender and Women's Studies     |
| Islamic Studies                     | Thesis                                                | Gender and Women's Studies                                                                                                                        |
| Italian                             | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| Jewish Studies                      | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| Kinesiology and Physical Education  | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| Languages, Literatures and Cultures | Thesis (Ad Hoc)                                       | Digital Humanities                                                                                                                                |
| Linguistics                         | Non-Thesis                                            | N/A                                                                                                                                               |
| Mathematics and Statistics          | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| Medical Anthropology                | Thesis                                                | N/A                                                                                                                                               |
| Music – Music Education             | Thesis, Non-Thesis                                    | N/A                                                                                                                                               |
| Music – Music Technology            | Thesis                                                | N/A                                                                                                                                               |
| Music – Musicology                  | Thesis, Non-Thesis                                    | Gender and Women's Studies (Thesis)                                                                                                               |
| Music – Theory                      | Thesis, Non-Thesis                                    | Gender and Women's Studies (Thesis)                                                                                                               |
| Philosophy                          | Thesis                                                | Bioethics                                                                                                                                         |
| Political Science                   | Thesis, Non-Thesis                                    | Development Studies, European Studies (Thesis), Development Studies, European Studies, Gender and Women's Studies, Social Statistics (Non-Thesis) |
| Psychology                          | Thesis                                                | N/A                                                                                                                                               |
| Religious Studies                   | Thesis, Non-Thesis                                    | Bioethics, Gender and Women's Studies (Thesis)                                                                                                    |

|                                 |                    |                                                                                                                                                                                   |
|---------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Russian and Slavic Studies      | Thesis             | N/A                                                                                                                                                                               |
| Second Language Education       | Thesis, Non-Thesis | Gender and Women's Studies (Thesis)                                                                                                                                               |
| School/Applied Child Psychology | Non-Thesis         | N/A                                                                                                                                                                               |
| Sociology                       | Thesis, Non-Thesis | Development Studies, Gender and Women's Studies, Medical Sociology (Thesis), Development Studies, Gender and Women's Studies, Medical Sociology, Population Dynamics (Non-Thesis) |
| Teaching and Learning           | Non-Thesis         | English or French Second Language, English Language Arts, Mathematics, Science and Technology, Social Sciences                                                                    |

## Master of Business Administration Degrees (M.B.A.)

| Program      | Thesis/Non-Thesis | Options                                                                                           |
|--------------|-------------------|---------------------------------------------------------------------------------------------------|
| M.B.A.       | Non-Thesis        | General Management                                                                                |
| M.B.A./Japan | Non-Thesis        | Finance, General Management, Global Strategy and Leadership, Marketing, Technology and Innovation |
| E.M.B.A.     | Non-Thesis        | N/A                                                                                               |

## Master of Education (M.Ed.)

| Program                | Thesis/Non-Thesis | Options                                                                                                                                                              |
|------------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Educational Psychology | Non-Thesis        | Family Life Education, General Educational Psychology, General Educational Psychology: Project, Inclusive Education, Inclusive Education: Project, Learning Sciences |

## Master of Engineering (M.Eng.)

| Program                               | Thesis/Non-Thesis  | Options                                |
|---------------------------------------|--------------------|----------------------------------------|
| Aerospace Engineering                 | Non-Thesis         | N/A                                    |
| Biological and Biomedical Engineering | Thesis             | N/A                                    |
| Chemical Engineering                  | Thesis, Non-Thesis | Environmental Engineering (Non-Thesis) |

|                                          |                    |                                        |
|------------------------------------------|--------------------|----------------------------------------|
| Civil Engineering                        | Thesis, Non-Thesis | Environmental Engineering (Non-Thesis) |
| Electrical Engineering                   | Non-Thesis         | N/A                                    |
| Materials Engineering                    | Thesis, Non-Thesis | Environmental Engineering (Non-Thesis) |
| Mechanical Engineering                   | Non-Thesis         | N/A                                    |
| Mining Engineering                       | Thesis, Non-Thesis | Environmental Engineering (Non-Thesis) |
| Sustainability in Engineering and Design | Non-Thesis         | N/A                                    |

## Master of Information Studies (M.I.St.)

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

| Program             | Thesis/Non-Thesis | Options |
|---------------------|-------------------|---------|
| Information Studies | Non-Thesis        | Project |

## Master of Laws (LL.M.)

| Program | Thesis/Non-Thesis  | Options                                                                                     |
|---------|--------------------|---------------------------------------------------------------------------------------------|
| Law     | Thesis, Non-Thesis | Bioethics (Thesis), Air and Space Law, Comparative Law, Environment (Thesis and Non-Thesis) |

## Master of Management (M.M.)

| Program                  | Thesis/Non-Thesis | Options |
|--------------------------|-------------------|---------|
| Analytics                | Non-Thesis        | N/A     |
| Finance                  | Non-Thesis        | N/A     |
| Manufacturing Management | Non-Thesis        | N/A     |
| IMHL                     | Non-Thesis        | N/A     |
| IMPM                     | Non-Thesis        | N/A     |

## Master of Music (M.Mus.)

| Program             | Thesis/Non-Thesis | Options                                                                                                                                           |
|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Music – Composition | Thesis            | N/A                                                                                                                                               |
| Performance         | Thesis            | Jazz Performance, Early Music, Orchestral Instruments and Guitar, Collaborative Piano, Piano, Opera and Voice, Organ and Church Music, Conducting |
| Sound Recording     | Non-Thesis        | N/A                                                                                                                                               |

## Master of Public Policy (M.P.P.)

| Program       | Thesis/Non-Thesis | Options |
|---------------|-------------------|---------|
| Public Policy | Non-Thesis        | N/A     |

## Master of Sacred Theology (S.T.M.)

A program leading to the degree of *Sanctae Theologiae Magister* (S.T.M.) is given in the School 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.

| Program           | Thesis/Non-Thesis | Options |
|-------------------|-------------------|---------|
| Religious Studies | Non-Thesis        | N/A     |

## Master of Science (M.Sc.)

| Program                               | Thesis/Non-Thesis  | Options                                                                             |
|---------------------------------------|--------------------|-------------------------------------------------------------------------------------|
| Agricultural Economics                | Thesis             | N/A                                                                                 |
| Animal Science                        | Thesis             | N/A                                                                                 |
| Atmospheric and Oceanic Science       | Thesis             | Environment                                                                         |
| Biochemistry                          | Thesis             | Bioinformatics, Chemical Biology                                                    |
| Biological and Biomedical Engineering | Thesis             | N/A                                                                                 |
| Biology                               | Thesis             | Bioinformatics, Environment, Neotropical Environment                                |
| Bioresource Engineering               | Thesis, Non-Thesis | Environment (Thesis), Integrated Water Resource Management (Non-Thesis)             |
| Biostatistics                         | Thesis, Non-Thesis | N/A                                                                                 |
| Cell Biology                          | Thesis             | N/A                                                                                 |
| Chemistry                             | Thesis             | N/A                                                                                 |
| Civil Engineering                     | Thesis             | N/A                                                                                 |
| Communication Sciences and Disorders  | Thesis             | N/A                                                                                 |
| Computer Science                      | Thesis, Non-Thesis | Bioinformatics                                                                      |
| Dental Sciences                       | Thesis, Non-Thesis | N/A                                                                                 |
| Earth and Planetary Sciences          | Thesis             | Environment                                                                         |
| Electrical Engineering                | Thesis             | N/A                                                                                 |
| Entomology                            | Thesis             | Environment, Neotropical Environment                                                |
| Epidemiology                          | Thesis, Non-Thesis | Environmental & Occupational Health (Non-Thesis), Pharmacoepidemiology (Non-Thesis) |
| Experimental Medicine                 | Thesis             | Bioethics, Environment                                                              |
| Family Medicine                       | Thesis             | Bioethics, Medical Education                                                        |

|                                         |                    |                                                                                      |
|-----------------------------------------|--------------------|--------------------------------------------------------------------------------------|
| Food Science and Agricultural Chemistry | Thesis, Non-Thesis | Food Safety (Non-Thesis)                                                             |
| Genetic Counselling                     | Non-Thesis         | N/A                                                                                  |
| Geography                               | Thesis             | Environment, Neotropical Environment                                                 |
| Human Genetics                          | Thesis             | Bioethics, Bioinformatics                                                            |
| Human Nutrition                         | Thesis             | N/A                                                                                  |
| Kinesiology and Physical Education      | Thesis, Non-Thesis | N/A                                                                                  |
| Materials Engineering                   | Thesis             | N/A                                                                                  |
| Mathematics and Statistics              | Thesis, Non-Thesis | N/A                                                                                  |
| Mechanical Engineering                  | Thesis             | N/A                                                                                  |
| Medical Radiation Physics               | Thesis             | N/A                                                                                  |
| Microbiology                            | Thesis             | N/A                                                                                  |
| Microbiology and Immunology             | Thesis             | N/A                                                                                  |
| Mining Engineering                      | Thesis             | N/A                                                                                  |
| Neuroscience                            | Thesis             | N/A                                                                                  |
| Otolaryngology                          | Thesis             | N/A                                                                                  |
| Parasitology                            | Thesis             | N/A                                                                                  |
| Pathology                               | Thesis             | N/A                                                                                  |
| Pharmacology                            | Thesis             | Environmental Health Sciences                                                        |
| Physics                                 | Thesis             | N/A                                                                                  |
| Physiology                              | Thesis             | Bioinformatics, Chemical Biology                                                     |
| Plant Science                           | Thesis             | Bioinformatics, Environment, Neotropical Environment                                 |
| Psychiatry                              | Thesis             | N/A                                                                                  |
| Psychology                              | Thesis             | N/A                                                                                  |
| Public Health                           | Non-Thesis         | N/A                                                                                  |
| Rehabilitation Sciences                 | Thesis, Non-Thesis | N/A                                                                                  |
| Renewable Resources                     | Thesis, Non-Thesis | Environment, Neotropical Environment (Thesis), Environmental Assessment (Non-Thesis) |
| Surgical and Interventional Sciences    | Thesis, Non-Thesis | Global Surgery, Surgical Education, Surgical Innovation (Thesis)                     |

## Master of Science, Applied (M.Sc.A.)

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.

| Program                              | Thesis/Non-Thesis                                        | Options                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Animal Science                       | Non-Thesis                                               | Sustainable Agriculture                                                                                                                                                                                                                                                                                                                                                                            |
| Bioresource Engineering              | Non-Thesis                                               | Environment, Environmental Engineering, Integrated Food and Bioprocessing                                                                                                                                                                                                                                                                                                                          |
| Biotechnology                        | Non-Thesis                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                |
| Communication Sciences and Disorders | Non-Thesis                                               | Speech-Language Pathology                                                                                                                                                                                                                                                                                                                                                                          |
| Human Nutrition                      | Non-Thesis, Non-Thesis (Project), Non-Thesis (Practicum) | Dietetics Credentialing                                                                                                                                                                                                                                                                                                                                                                            |
| Nursing                              | Non-Thesis                                               | Advanced Nursing - Advanced Practice Nursing; Advanced Nursing - Global Health; Advanced Nursing - Nursing Services Administration. Nursing - Direct Entry to Advanced Practice Nursing; Nursing - Global Health. Nurse Practitioner; Adult Care Nurse Practitioner; Mental Health Nurse Practitioner; Neonatal Nurse Practitioner; Pediatrics Nurse Practitioner; Primary Care Nurse Practitioner |
| Occupational Health                  | Non-Thesis (Resident), Non-Thesis (Distance)             | N/A                                                                                                                                                                                                                                                                                                                                                                                                |
| Occupational Therapy                 | Non-Thesis                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                |
| Physical Therapy                     | Non-Thesis                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                |
| Plant Science                        | Non-Thesis (program under review)                        | N/A                                                                                                                                                                                                                                                                                                                                                                                                |
| Social Work                          | Non-Thesis                                               | Couple and Family Therapy                                                                                                                                                                                                                                                                                                                                                                          |

## Master of Social Work (M.S.W.)

The M.S.W. degree represents a second level of professional study in which students build competence in a chosen field of practice.

| Program     | Thesis/Non-Thesis  | Options                                                                      |
|-------------|--------------------|------------------------------------------------------------------------------|
| Social Work | Thesis, Non-Thesis | Gender and Women's Studies (Thesis), Gender and Women's Studies (Non-Thesis) |



|                                                  |            |     |
|--------------------------------------------------|------------|-----|
| Joint Master of Social Work with B.C.L. and J.D. | Non-Thesis | N/A |
|--------------------------------------------------|------------|-----|

## Master of Urban Planning

The program requires a minimum of two years residency and a three-month internship with a member of a recognized planning association.

| Program        | Thesis/Non-Thesis | Options                                                     |
|----------------|-------------------|-------------------------------------------------------------|
| Urban Planning | Non-Thesis        | Transportation Planning, Urban Development and Urban Design |

## Ad Hoc Master of Arts (M.A. (Ad Hoc))

| Program            | Thesis/Non-Thesis | Options |
|--------------------|-------------------|---------|
| Digital Humanities | Thesis            | N/A     |
| East Asian Studies | Thesis            | N/A     |

## Doctoral Degrees Available at McGill

The following section lists the doctoral degrees available at McGill, along with their prerequisites. See Doctoral Degree Programs and Specializations (p. 45) for specific programs and options for doctoral degrees.

| Degree                                       | Prerequisites                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Doctor of Civil Law (D.C.L.)                 | B.C.L. or LL.B. and usually LL.M. See Law.                                                                                                                                                                                                                                                                                                          |
| Doctor of Music (D.Mus.)                     | M.A. in Composition (D.Mus. in Composition) or a master's degree in Performance, and professional and teaching experience (D.Mus. in Performance) <sup>2</sup> See Schulich School of 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 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. |
| Joint Doctor of Philosophy (Ph.D.)           | Joint Ph.D.s are offered in co-operation with other universities.                                                                                                                                                                                                                                                                                   |
| Ad Hoc Doctor of Philosophy (Ph.D. (Ad Hoc)) | Some departments offer 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 master's program to the ad hoc Ph.D. program.                                                               |

- <sup>1</sup> Law
- <sup>2</sup> Schulich School of Music

## Doctoral Degree Programs and Specializations

### Doctor of Civil Law (D.C.L.)

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.

| Program | Options                            | Offered by Faculty/School |
|---------|------------------------------------|---------------------------|
| Law     | Air and Space Law, Comparative Law | Faculty of Law            |

### Doctor of Music (D.Mus.)

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).

| Program | Options                          | Offered by Faculty/School |
|---------|----------------------------------|---------------------------|
| Music   | Composition, Performance Studies | Schulich School of Music  |

### Doctor of Philosophy (Ph.D.)

| Program                               | Options                                              | Offered by Faculty/School                          |
|---------------------------------------|------------------------------------------------------|----------------------------------------------------|
| Animal Science                        | Bioinformatics                                       | Faculty of Agricultural and Environmental Sciences |
| Anthropology                          | Neotropical Environment                              | Faculty of Arts                                    |
| Architecture                          | N/A                                                  | Faculty of Engineering                             |
| Art History                           | Gender and Women's Studies                           | Faculty of Arts                                    |
| Atmospheric and Oceanic Sciences      | N/A                                                  | Faculty of Science                                 |
| Biochemistry                          | Bioinformatics, Chemical Biology                     | Faculty of Medicine and Health Sciences            |
| Biology                               | Bioinformatics, Environment, Neotropical Environment | Faculty of Science                                 |
| Biological and Biomedical Engineering | N/A                                                  | Interfaculty Studies                               |
| Bioresource Engineering               | Environment                                          | Faculty of Agricultural and Environmental Sciences |

|                                         |                                                                                     |                                                    |                             |                                                                                                                 |                                                    |
|-----------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Biostatistics                           | N/A                                                                                 | Faculty of Medicine and Health Sciences            | Islamic Studies             | Gender and Women's Studies                                                                                      | Faculty of Arts                                    |
| Cell Biology                            | N/A                                                                                 | Faculty of Medicine and Health Sciences            | Kinesiology                 | N/A                                                                                                             | Faculty of Education                               |
| Chemical Engineering                    | N/A                                                                                 | Faculty of Engineering                             | Linguistics                 | Language Acquisition                                                                                            | Faculty of Arts                                    |
| Chemistry                               | N/A                                                                                 | Faculty of Science                                 | Management                  | Environment                                                                                                     | Desautels Faculty of Management                    |
| Civil Engineering                       | N/A                                                                                 | Faculty of Engineering                             | Materials Engineering       | N/A                                                                                                             | Faculty of Engineering                             |
| Communication Sciences and Disorders    | Language Acquisition                                                                | Faculty of Medicine and Health Sciences            | Mathematics and Statistics  | N/A                                                                                                             | Faculty of Science                                 |
| Communication Studies                   | Gender and Women's Studies                                                          | Faculty of Arts                                    | Mechanical Engineering      | N/A                                                                                                             | Faculty of Engineering                             |
| Computer Science                        | Bioinformatics                                                                      | Faculty of Science                                 | Microbiology                | Bioinformatics                                                                                                  | Faculty of Agricultural and Environmental Sciences |
| Counselling Psychology                  | N/A                                                                                 | Faculty of Education                               | Microbiology and Immunology | N/A                                                                                                             | Faculty of Medicine and Health Sciences            |
| Earth and Planetary Sciences            | Environment                                                                         | Faculty of Science                                 | Mining Engineering          | N/A                                                                                                             | Faculty of Engineering                             |
| Economics                               | N/A                                                                                 | Faculty of Arts                                    | Music                       | Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Gender and Women's Studies | Schulich School of Music                           |
| Educational Psychology                  | Human Development, Learning Sciences                                                | Faculty of Education                               | Neuroscience                | N/A                                                                                                             | Interfaculty Studies                               |
| Educational Studies                     | Gender and Women's Studies, Language Acquisition, Mathematics and Science Education | Faculty of Education                               | Nursing                     | N/A                                                                                                             | Ingram School of Nursing                           |
| Electrical Engineering                  | N/A                                                                                 | Faculty of Engineering                             | Occupational Health         | N/A                                                                                                             | Faculty of Medicine and Health Sciences            |
| English                                 | N/A                                                                                 | Faculty of Arts                                    | Parasitology                | Bioinformatics                                                                                                  | Faculty of Agricultural and Environmental Sciences |
| Entomology                              | Environment, Neotropical Environment                                                | Faculty of Agricultural and Environmental Sciences | Pathology                   | N/A                                                                                                             | Faculty of Medicine and Health Sciences            |
| Epidemiology                            | Global Health, Pharmacoepidemiology and Population Dynamics                         | Faculty of Medicine and Health Sciences            | Pharmacology                | N/A                                                                                                             | Faculty of Medicine and Health Sciences            |
| Experimental Medicine                   | Environment                                                                         | Faculty of Medicine and Health Sciences            | Philosophy                  | Environment, Gender and Women's Studies                                                                         | Faculty of Arts                                    |
| Family Medicine                         | N/A                                                                                 | Faculty of Medicine and Health Sciences            | Physics                     | N/A                                                                                                             | Faculty of Science                                 |
| Food Science and Agricultural Chemistry | N/A                                                                                 | Faculty of Agricultural and Environmental Sciences | Physiology                  | Bioinformatics, Chemical Biology                                                                                | Faculty of Medicine and Health Sciences            |
| French Language and Literature          | Gender and Women's Studies                                                          | Faculty of Arts                                    | Plant Science               | Bioinformatics, Environment, Neotropical Environment                                                            | Faculty of Agricultural and Environmental Sciences |
| Geography                               | Environment, Gender and Women's Studies, Neotropical Environment                    | Faculty of Arts, Faculty of Science                | Political Science           | Gender and Women's Studies                                                                                      | Faculty of Arts                                    |
| German                                  | N/A                                                                                 | Faculty of Arts                                    | Psychology                  | Behavioural Neuroscience, Language Acquisition, Psychosocial Oncology                                           | Faculty of Arts, Faculty of Science                |
| Hispanic Studies                        | N/A                                                                                 | Faculty of Arts                                    | Quantitative Life Sciences  | N/A                                                                                                             | Interfaculty Studies                               |
| History                                 | N/A                                                                                 | Faculty of Arts                                    | Rehabilitation Science      | N/A                                                                                                             | School of Physical and Occupational Therapy        |
| Human Genetics                          | Bioinformatics                                                                      | Faculty of Medicine and Health Sciences            | Religious Studies           | Gender and Women's Studies                                                                                      | Faculty of Religious Studies                       |
| Human Nutrition                         | N/A                                                                                 | Faculty of Agricultural and Environmental Sciences |                             |                                                                                                                 |                                                    |
| Information Studies                     | N/A                                                                                 | Faculty of Arts                                    |                             |                                                                                                                 |                                                    |

|                                      |                                                 |                                                    |
|--------------------------------------|-------------------------------------------------|----------------------------------------------------|
| Renewable Resources                  | Environment, Neotropical Environment            | Faculty of Agricultural and Environmental Sciences |
| Russian and Slavic Studies           | N/A                                             | Faculty of Arts                                    |
| School/Applied Child Psychology      | N/A                                             | Faculty of Education                               |
| Social Work                          | N/A                                             | Faculty of Arts                                    |
| Sociology                            | Gender and Women's Studies, Population Dynamics | Faculty of Arts                                    |
| Surgical and Interventional Sciences | N/A                                             | Faculty of Medicine and Health Sciences            |

### Joint Doctor of Philosophy (Ph.D.)

| Program     | Options | Offered by Faculty/School          |
|-------------|---------|------------------------------------|
| Nursing     | N/A     | McGill / Université de Montréal    |
| Management  | N/A     | McGill / Concordia / H.E.C. / UQAM |
| Social Work | N/A     | McGill / Université de Montréal    |

### Ad Hoc Doctor of Philosophy (Ph.D. (Ad Hoc))

| Program            | Options | Offered by Faculty/School |
|--------------------|---------|---------------------------|
| East Asian Studies | N/A     | Faculty of Arts           |
| Italian Studies    | N/A     | Faculty of Arts           |
| Jewish Studies     | N/A     | Faculty of Arts           |

## Postdoctoral Research

See Postdoctoral Research (p. 82) for information about postdoctoral research at McGill University.

## Graduate Diplomas and Graduate Certificates

The graduate diplomas and graduate certificates listed below are programs of study under the academic supervision of Graduate and Postdoctoral Studies. The prerequisite for a diploma or certificate is an undergraduate degree in the same discipline.

The graduate diploma programs consist of at least two terms of full-time study or the equivalent.

### Graduate Diplomas

- Clinical Research
- Medical Radiation Physics
- Mental Health Nurse Practitioner
- Mining Engineering
- Music Artist
- Music Performance
- Neonatal Nurse Practitioner
- Pediatric Nurse Practitioner
- Primary Care Nurse Practitioner
- Registered Dietitian Credentialing (R.D.)

- School/Applied Child Psychology (Post-Ph.D.)
- Surgical Innovation

### Graduate Certificates

- Air and Space Law
- Bioinformatics
- Biotechnology
- Chronic Pain Management
- Comparative Law
- Digital Archives Management
- Driving Rehabilitation
- Educational Leadership 1
- Educational Leadership 2
- Educational Leadership 3
- Foundations of Health Science Education
- Information Architecture and Design
- Information and Knowledge Management
- International Leadership in Educational and Administrative Development
- Library and Information Studies
- Neonatal Nurse Practitioner
- Pédagogie de l'immersion française
- Pediatric Nurse Practitioner
- Performance Choral Conducting
- Post-M.B.A.
- Post-M.B.A. Japan
- Professional Accounting
- Regenerative Medicine
- Surgical Innovation
- Teaching English as a Second Language
- Theory in Mental Health
- Theory in Primary Care
- Translational Biomedical Engineering

All graduate regulations apply to graduate diploma and graduate certificate candidates.

**Note:** The School of Continuing Studies also offers graduate diplomas and graduate certificates that are not under the academic supervision of Graduate and Postdoctoral Studies. To see a list of programs offered, refer to Graduate Credit Programs in the School of Continuing Studies.

## Graduate Admissions and Application Procedures

**Website:** [mcgill.ca/gradapplicants](http://mcgill.ca/gradapplicants)

**Graduate services contacts:** [mcgill.ca/gps/contact/gps](http://mcgill.ca/gps/contact/gps)

**Deadline:** Admission to graduate studies at McGill is competitive; accordingly, late applications are considered only if time and space permit. Meeting minimum admission standards does not guarantee admission. Admission decisions are not normally subject to appeal or reconsideration and therefore are not subject to change. To be considered for entrance fellowships, where available, applicants must verify deadlines with individual academic units.

## Application for Admission

Application information is available at on the Graduate Studies Applying and Admissions page. A **non-refundable** fee paid by credit card in Canadian funds **must** accompany the application. Applications are submitted online. The fee covers up to two program choices per term. Candidates for Special, Visiting, and Qualifying status must also apply online and pay the application fee. Please note that application fees and other charges are listed on the Student Accounts website.

**Letters of reference.** Applicants (with some exceptions) are required to provide the names and email addresses of two instructors familiar with their academic work and who are willing to provide letters of reference in support of the application. In some cases, where applicable, employers may act as referees. McGill will request the reference letters on behalf of the applicant.

**Transcripts.** Applicants must themselves upload an unofficial copy of their complete academic record from each university-level institution attended to date. **Transcripts written in a language other than English or French must be accompanied by a translation prepared by a licensed translator or by their institution.** An explanation of the grading system used by the applicant's university is essential. Admitted applicants will be required to send—or ask the appropriate university authorities to send—an official or certified copy of their complete, final academic record from each university-level institution attended to date. McGill graduates are not required to submit McGill transcripts. Refer to McGill's Legal Documents site for instructions on uploading or mailing official documents to McGill. 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.

Supporting documents must be submitted according to individual academic unit specifications and deadlines for applications. Many programs have rolling admissions, evaluating applications as they are submitted and making early admissions offers. International students are advised to apply well in advance of the application deadlines as immigration procedures may be lengthy.

The admission decision is based on the recommendation of the graduate academic unit. Depending on the academic level and strength of the application, and any special circumstances, the application may be verified by the Graduate Admissions Unit in Enrolment Services and/or reviewed by the Graduate Admissions Committee. All offers of admission are approved by Graduate and Postdoctoral Studies (GPS) and bear the signature of the Dean of GPS.

## Admission Requirements (Minimum Requirements to be Considered for Admission)

**Note:** The following admission requirements denote the minimum standard for applicants. Some graduate academic units may require additional qualifications or a higher minimum CGPA; applicants are strongly urged to consult the academic unit concerned regarding specific requirements.

Applicants should be graduates of institutions with recognized accreditation and hold degrees from such institutions.

The applicant must present evidence of academic achievement: a minimum Academic Standing equivalent to a cumulative grade point average (CGPA) of 3.0/4.0, or a CGPA of 3.2/4.0 for the last two years of full-time study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program. Some academic units impose additional or higher requirements.

Refer to the GPS page on Educational credentials and grade equivalencies for more information on McGill's degree requirements relative to countries around the world. These equivalencies and requirements are provided for information only and are subject to change without notice.

## Admission into a Doctoral Program with a Bachelor's Degree (Admission as Ph.D. 1)

Admission to graduate programs at McGill is holistic, meaning that many factors are taken into consideration in the admission decision, including academic credentials and grades. The minimum requirements are listed on the Ph.D. 1 Direct Entry page.

Candidates with a master's degree are generally admitted to the Ph.D. 2 level.

Candidates with a bachelor's degree can be admitted to Ph.D. 1.

The following criteria must be met when seeking admission at the Ph.D. 1 level:

- Outstanding undergraduate students who have extensive research experience may be considered for Ph.D. 1.
- Extensive research experience (such as multiple summer research projects and/or an Honours project) that is relevant to the chosen field of study is required; the student must demonstrate potential to conduct a long-term research project.
- The application must include a recommendation letter from a supervisor attesting to the research background of student, including evidence of discussion of long-term interests of the student.
- Minimum cumulative grade point average (CGPA) required for Ph.D. 1 admission is 3.7 out of 4.0 (equivalent to A-, representing academic excellence across the board).
- The Departmental Admissions Committee examines the entire file of the student on a case-by-case basis to decide whether admission to Ph.D. 1 should be offered. This recommendation must be approved by the Graduate Program Director (GPD).

## Application Procedures Application Checklist

All application documents and required supplemental materials must be uploaded directly to the online application system.

1. **Online Application for Admission:** [mcgill.ca/gradapplicants/apply-now](http://mcgill.ca/gradapplicants/apply-now).
2. **Application fee:** non-refundable Canadian funds payable by credit card cover up to two program choices per term. Some programs may charge additional fees. If applicable, these will be automatically charged when you submit the application form. Please note that application fees and other charges are listed on the Student Accounts website.

3. **Transcripts:** a complete record of study from each university-level institution attended to date. Uploaded copies are considered unofficial; final, official copies will be required of admitted applicants.
4. **Reference letters:** on the application form, you must provide the names and email addresses of at least two professors who are familiar with your academic work. McGill will contact these referees by email, and invite them to upload references on your behalf. Note that some academic units require more than two referees.
5. **TOEFL, IELTS, GRE, GMAT, Casper, or other test results:** when registering for the test, please ensure that you request that results be sent directly to McGill University. McGill will then receive the results electronically, directly from the testing agency.

For detailed information regarding additional documents that may be required by certain academic units, please consult admission requirements and application procedures for each unit.

## Document Checklist Terms

The following terms appear on the Document Checklist in the online application system and are items or documents that you may be required to upload as part of your application for admission. Please ensure that your use of certain terms conforms to the following definitions:

**Audition:** a trial performance where a performer demonstrates their suitability or skill.

**Curriculum Vitae:** an overview of the applicant's experience and other qualifications, including employment, academic credentials, publications, contributions, and significant achievements.

**GMAT:** Graduate Management Aptitude Test (see Admission Tests below)

**GRE:** Graduate Records Examination (see Admission Tests below)

**Interview:** a conversation between the applicant and a McGill representative, using a structured, standardized approach to allow for comparison and analysis of responses from all applicants interviewed; in person, via telephone, Skype, etc.

**Personal Statement:** an essay in which the applicant describes their reasons for applying to graduate studies and indicating qualifications, qualities, or circumstances the applicant feels to be significant; usually provides information about educational and professional goals and discusses the applicant's interest in the desired field of study.

**Portfolio:** a collection of the applicant's best work to date, selected by them, and intended to show their mastery of a given style or variety of styles; different samples of their artistic work.

**Recording:** an unedited recording (audio or video), either of the applicant performing at least two contrasting pieces (minimum 20 minutes), or a video statement (content as described by the academic unit).

**Research Proposal:** a detailed description of the proposed program of research, including proposed thesis supervisor(s); describes the research background, significance, methodology, and references; may include expected results; may include a detailed curriculum vitae.

**TOEFL:** Test of English as a Foreign Language (see Competency in English below).

**Writing Sample:** a recent sample of the applicant's written work, on any topic (not necessarily within the desired field of graduate study) and not necessarily previously submitted for evaluation or publication.

**Written Work:** a sample of the applicant's written work, drawn from essays, papers, or other work previously submitted for academic evaluation or publication, and falling within the desired field of graduate study.

## Admission Tests

Some academic units require the taking of various tests for admissions purposes. Consult your desired program page for unit-specific requirements.

### Casper

The Casper test is an individual online test that assesses for non-academic attributes or people skills.

### 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 Montréal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Only some academic units require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to ensure that official test results are sent to McGill directly by the testing service.

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 academic unit has the right to insist on a report from the GRE or some similar test. High Standing in this examination will not by itself guarantee admission.

### Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must ensure that official results of the Graduate Management Admissions Test (GMAT) are released to McGill by the Graduate Management Admission Council (GMAC). The test is a standardized assessment offered by the GMAC to help business schools assess candidates for admission.

## English Language Proficiency

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. 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).
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.



- Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

**Please note that you must send documentation proving you meet one of the conditions directly to your department, who will then waive the English proficiency requirement on your application.**

Applicants who do not meet any of the above-listed conditions must demonstrate English language proficiency using **one** of the following options:

- TOEFL (Test of English as a Foreign Language): minimum acceptable scores are: **IBT (Internet-based test)**: 86 overall, and no less than 20 in each of the four component scores.  
**Note:** an institutional version of the TOEFL is not acceptable.
- IELTS (International English Language Testing System): a band score of 6.5 or greater.
- McGill Certificate in Proficiency in English or McGill Certificate in Proficiency – English for Professional Communication: Certificate in Proficiency awarded.

Please note that these are **minimum** acceptable scores. The McGill graduate department to which you are applying may require higher test scores. Please verify the program-specific requirements by visiting the department website.

Please note that the **Duolingo English Test (DET)** and the **Pearson's PTE test are not accepted for admission to graduate programs** at McGill University.

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 academic units may set higher requirements.

Revised – February 2026

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the academic unit and may be revised at any time. Contact the appropriate McGill department to verify all deadlines and documentation requirements with the appropriate department well in advance of the application deadline.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Admission to a Qualifying Year

Some applicants whose degree and Academic Standing make them very good candidates for admission to graduate studies, but who are considered inadequately prepared in the subject selected, may be admitted to a Qualifying Year for a master's. The undergraduate-level courses to be taken in a Qualifying Year 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 (i.e., two full-time terms).

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 application deadlines. Successful completion of the work in the Qualifying Year (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying Students must apply for admission to the program for which they seek qualification.

In cases where an academic unit recommends a change of registration from Qualifying Year (Fall) to Master's Degree First Year (Winter), **students must apply to the degree program by the academic unit's Winter term application deadline**. A Qualifying Year applicant admitted to a Winter term as the first term of studies must apply for admission for a Fall term as their second term of studies.

Students who are ineligible for a Qualifying Year 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 as a Special Student

Candidates wishing to take one or two courses at the graduate level, but who do not wish to pursue a degree, can submit an application to be considered as a Special Student. Special Students must hold a recognized undergraduate degree, and must meet the admission requirements to the program for which they are being considered.

Special Students must register for at least one 600-level course, or higher, but can simultaneously register for undergraduate courses, normally with permission from the department. Special Students cannot register for more than two terms, and can complete a maximum of 6 credits per semester, up to a maximum of 12 credits in one year. Under no circumstances are Special Students eligible to obtain a degree.

## 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 the Graduate Admissions Committee (composed of the Dean and Associate Deans of Graduate and Postdoctoral Studies) and in consultation with the Graduate Admissions Unit of Enrolment Services, be admitted to two degree programs or to two academic units or faculties. Students are **never** permitted to pursue **two full-time** degree programs concurrently.

## Readmission of Former Students

Students who have reached time limitation or officially withdrawn from the university should refer to Admission of Former Students (p. 44) for further information.

## Deferral of Admission

Under exceptional circumstances, an admission for a particular semester can be considered for a deferral. Normally, the deferral

period granted will not exceed one academic year (two terms). 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.

Requests for deferral of admission are submitted via the online application system. Any inquiries should be addressed directly to the academic unit.

## Fees

The information in this publication was updated in March 2025. 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.

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

- Billings and Due Dates (p. 57)
- Tuition Fees (p. 58)
- Compulsory Fees (p. 59)
- Administrative Charges and Other Fees (p. 59)
- Fees and Withdrawal from the University (p. 59)
- Other Policies Related to Fees (p. 60)
- Sponsorships/Funding/Fee Deferrals (p. 62)
- Tax Slips/Receipts (p. 63)

**Note for Graduate and Postdoctoral Studies:** For information on financial support, see the Graduate Funding website.

## Billings and Due Dates

The following sections contain information regarding billing and due dates.

### Access to Fee Information

You can view your *Account Summary by Term* in Minerva. The Fall term fees will be accessible in mid-July.

## Confirmation of Acceptance Deposit

When you are admitted to the University, you are required to confirm your acceptance of the offer of admission on Minerva under the *Applicant Menu* at [mcgill.ca/minerva](http://mcgill.ca/minerva) and you must pay the required deposit (may vary by program) by credit card (AMEX, 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 miscellaneous 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 in 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* in Minerva (this is the online dynamic account balance view).

Failure to check your McGill 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 for information on payment due dates.

| Term                                            | Payment Due Date |
|-------------------------------------------------|------------------|
| <b>Fall Term</b> (Returning and new students)   | August 29, 2025  |
| <b>Winter Term</b> (Returning and new students) | January 5, 2026  |

**Late Payment Fees:** If you have an outstanding balance greater than \$100 at the end of October (or the end of February for the Winter term), you are charged a late payment fee as per the fee schedule found at Administrative Charges and Other Fees. When a student has a student aid deferral, government aid deferral, or graduate funding deferral that has ended, their next e-bill will show that there is no longer a deferral in effect. Should the balance not be paid in full by the payment due date on this bill, the late penalty fee will be charged in addition to interest.

## Guest Access in Minerva

You may choose to give access privileges to a guest in Minerva. These privileges include viewing e-bills/account summaries, tax receipts, and e-payment.

The [mcgill.ca/student-accounts/parents-and-sponsors/guest-access](http://mcgill.ca/student-accounts/parents-and-sponsors/guest-access) web page describes how to set up this access. You must provide certain information about the individual to whom 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 revoke 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 "Alternate Student Billing" email address on Minerva to which Student Accounts will send a copy of the monthly e-bill notification, which includes the balance due on the account.

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

## Payment Procedures

Please see the Student Accounts website at [mcgill.ca/student-accounts/your-account/payment](http://mcgill.ca/student-accounts/your-account/payment) for the various methods of payment available to students and their guests.

## Yearly Fees and Charges—Undergraduate

Tuition fees at the undergraduate level are based on the number of credits you take.

Please consult the Tuition and fees tables and rates page on the Student Accounts website.

## Yearly Fees and Charges— Graduate and Postdoctoral

In thesis programs, students are charged tuition based on 15 credits per term if they are registered full-time. In non-thesis programs, students are charged tuition on a per-credit basis.

Part-time, Qualifying, Special, diploma, and certificate students will be charged tuition fees at the per credit rate and all students are subject to student society fees, student services fees, athletics and recreation fees, and administrative charges.

Students who have completed the residency requirements for their program but have not yet 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 term that they are registered. Please refer to *Program Requirements > Master's Degrees* (p. 21) and *Doctoral Degrees* (p. 21), found in the *Graduate* section of each faculty and school.

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 and ancillary fees on a per-credit basis.

Non-unionized postdoctoral candidates are charged fees for membership to the Post-Graduate Students' Society (PGSS) and Student Services fees in both the Fall and Winter terms, as well as the PGSS Health and Dental Insurance plan.

**Note:** Please consult the Student Accounts website for the current fees payable by graduate-level students.

## Tuition Fees

**Tuition rates are subject to change each academic year.** Please access *Tuition and fees* at [mcgill.ca/student-accounts/tuition-fees](http://mcgill.ca/student-accounts/tuition-fees). The annual rates of tuition and fees are updated as soon as they are known.

**Note:** Students who are required to submit documentation and who do not do so by the stipulated deadlines (December 1 – Fall; April 1 – Winter; August 1 – Summer) are billed at the non-Québec Canadian or the international rate, depending on the documentation submitted. Students who are not automatically granted a fee deferral based on the University's evaluation of their personal information at admission, and who expect their fee residency status to change within the term—contingent on appropriate supporting documentation—must contact Service Point ([legaldocumentation@mcgill.ca](mailto:legaldocumentation@mcgill.ca)) to discuss what documentation is still outstanding to support their situation. The office will decide if a fee deferral is warranted. No prior interest charges or late payment fines will be reversed; therefore, you should ensure your request is submitted before the first fee payment for the term is due.

Students in on-line programs must self-declare for each registered term, where they will be located during that term, on Minerva under the *Student Menu > Location of Study - Online (distance) program*.

Students in one of these online programs will be notified by email that the Minerva form for the upcoming term is open and can be accessed for completion. Students studying within the province will be subject to the rates established by the government for in-province students. Students who are located outside Québec while studying, will be subject to deregulated tuition rates.

## Québec Students and Non-Québec (Canadian or Permanent Resident) Students

In accordance with provincial government requirements, students must provide proof that they qualify for assessment of fees at the Québec or non-Québec Canadian rates; see [mcgill.ca/legaldocuments](http://mcgill.ca/legaldocuments) for details. In certain cases, non-Québec Canadian students pay the same rate of tuition as Québec students—for further information about these exceptions, see the Student Accounts website at [mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions](http://mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions).

## International Students

Exemption from international tuition fees may be claimed by students in certain categories. Such students, if eligible, are then assessed at the Québec student rate (certain categories may be assessed at the Canadian tuition rate). These categories and the required documentation for each of them may be viewed at [mcgill.ca/legaldocuments](http://mcgill.ca/legaldocuments). Further information regarding these reductions of international tuition fees by the Québec government is available on the Student Accounts website under *Tuition and Fees > General Tuition and Fees Information*.

For more information concerning fee exemptions, visit [mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions](http://mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions) or contact Service Point.

## 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 [mcgill.ca/hr/benefits/tuition](http://mcgill.ca/hr/benefits/tuition). Should you not successfully complete the courses as detailed in the policy, the fee exemption will be cancelled and you will be required to pay these fees according to regular payment deadlines.

## Staff Dependent Waivers

Students who are dependents of staff members or pensioners may qualify for a fee reduction. You may find further information, including instructions on how to complete and submit the application form, at [mcgill.ca/hr/employee-relations/policies-procedures](http://mcgill.ca/hr/employee-relations/policies-procedures).

The fee reduction will be credited to your McGill fee account once eligibility has been confirmed. This fee reduction will be reflected in a T4A slip issued to the student in February by the University.

For more information, refer to the MUNACA Collective Agreement, or the Staff Dependent Policy at [mcgill.ca/hr/employee-relations/policies-procedures](http://mcgill.ca/hr/employee-relations/policies-procedures).

## Compulsory Fees

Rates are updated and available on the Student Accounts website, [mcgill.ca/student-accounts/tuition-fees](http://mcgill.ca/student-accounts/tuition-fees), as soon as they become available.

## 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. Through the Office of the Executive Director, Services for Students, services, promoting student success and well-being, are available on the Downtown and Macdonald campuses to help students achieve greater academic, physical, and social well-being.

These fees are complemented by revenue from the Québec government, the University, and the generosity of donors. They support: the Student Wellness Hub, Counselling and Tutorial Services; the Office of Religious and Spiritual Life; Career Planning Service (CaPS); Scholarships and Student Aid; International Student Services; the Office for Student Accessibility and Achievement; Campus Life and Engagement (including assistance for francophone students); and the First Peoples' House. Please refer to Student Services – Downtown Campus (p. 73) and Student Services – Macdonald Campus (p. 75) for details on these services.

## 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, and/or the Fitness Centre carries a supplemental charge. Please consult the Athletics and Recreation website at [mcgillathletics.ca](http://mcgillathletics.ca) for further information.

## 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 may vote on changes to Student Society fees during either the Spring or Fall referendum periods.

For Canadian students, the Student Society fees include health and dental insurance. For international students, the Student Society fees include a dental insurance plan. International students are required to participate in the University's compulsory International Health Insurance (IHI) plan. For more information, please refer to International Student Services' International Health Insurance page.

Rates for the current year may be found on the Student Accounts Non-tuition charges page.

## Administrative Charges and Other Fees

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

**Registration Charge** – All students in courses and programs are assessed a registration charge.

**Information Technology Charge** – The purpose of the information technology charge is to enhance certain technological services provided to students as well as to provide training and support to students in the use of new technologies.

**Transcripts and Diploma Charge** – The University assesses a transcripts and diploma charge to all students. This entitles currently enrolled students to order transcripts free of charge and covers the costs of producing diplomas and some of the costs associated with convocation ceremonies. Students who attend their convocation may be responsible for some additional costs. A fee per official transcript is applicable if you have not been registered at McGill in the last 12 months. Please see [mcgill.ca/student-records/transcripts](http://mcgill.ca/student-records/transcripts) for further information.

**Copyright Fee** – All students in courses and programs are charged a copyright compliance fee. This fee covers the cost of using material protected by copyright. It is levied to comply with all Québec and Canadian copyright laws.

**General Administrative Charge** – This fee originated from increases in ancillary fees that were allowed by the Québec Government. The University complies with the Québec government's regulation on administrative fee increases by applying the same indexation factor that the government applies to tuition to this charge. A portion of the amount continues to be directed to Athletics (except in the School of Continuing Studies).

## Other Fees

For further information about administrative charges, see [mcgill.ca/student-accounts/tuition-fees/non-tuition-charges/society-services-and-administrative-fees](http://mcgill.ca/student-accounts/tuition-fees/non-tuition-charges/society-services-and-administrative-fees).

For the current year's non-tuition charges, please refer to [mcgill.ca/student-accounts/tuition-fees/non-tuition-charges](http://mcgill.ca/student-accounts/tuition-fees/non-tuition-charges).

## Other Fees: Health Sciences

Fees specific to Health Sciences students are listed in each Health Sciences faculty or school section:

- Dentistry
- Medicine
- Nursing
- Physical and Occupational Therapy

under *Undergraduate or Professional > Health Sciences: General Information > Fees: Health Sciences*.

## 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 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 to cover administrative costs of registration.

Newly admitted students: If you've dropped all your courses and got a full refund:

- If you haven't paid an admission deposit, you will be charged a **Registration Cancellation Fee** of \$200.
- If you did pay an admission deposit when accepting your admission offer on Minerva, you will be charged a **forfeiture fee** equal to that deposit amount.

If you stop attending classes without dropping your courses, you are liable for all applicable tuition and other fees. See University Withdrawal.

If you are considering withdrawal from the University, please review the information found on the following Student Accounts web page for further details of the financial repercussions of withdrawal: [mcgill.ca/student-accounts/your-account/withdrawals](http://mcgill.ca/student-accounts/your-account/withdrawals).

## Fee Refund Deadlines

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

**Note for Graduate and Postdoctoral Studies:** Generally, there are no refunds for tuition and fees charged for a Summer term course from which you have withdrawn. For newly admitted graduate students who have withdrawn from a Summer Term of Residence, see Summer Registration (p. 15) for information about a potential fee refund.

### Fall Term – Up To And Including September 16

Returning students – 100%<sup>1</sup> refund (less registration cancellation fee of \$200 in the case of complete withdrawal).

New students – 100%<sup>1</sup> refund (less registration cancellation fee or \$200).

### Fall Term – After September 16

No refund.

### Winter Term – Up To And Including January 20

Returning students – 100%<sup>1</sup> refund (less registration cancellation fee of \$200 in the case of complete withdrawal).

New students – 100%<sup>1</sup> refund (less registration cancellation fee or \$200).

### Winter Term – After January 20

No refund.

<sup>1</sup> Includes tuition and compulsory student fees.

To discuss the refund policy applicable to a special case, undergraduate students should contact their faculty Student Affairs Office (Associate Dean or Director; refer to the Advising Directory) and graduate students should contact their departmental Graduate Program Director or Graduate Program Coordinator (see [mcgill.ca/gps/contact](http://mcgill.ca/gps/contact) for contact information).

## 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 request a refund if you have a credit balance of over \$2.00. Students with awards may be subject to a waiting period for their refund until the end of course add/drop, as most awards require full-time registration. For directions on requesting your refund online in Minerva, see [mcgill.ca/student-accounts/your-account/requesting-refund](http://mcgill.ca/student-accounts/your-account/requesting-refund).

**Note:** We strongly recommend that you supply direct deposit banking information via Minerva (Canadian banks only); otherwise, a refund charge will apply.

## Other Policies Related to Fees

The following sections describe other fee-related policies that may apply to your account.

### 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. In the event that a student's account has a hold preventing registration or the release of transcripts, the University may require a guaranteed form of payment, for instance, a certified cheque or money order. Certain financial holds prevent the release of diplomas. Other financial holds can affect access to non-registration functions, for example Meal Plan Top-Ups.

**Interest:** Interest is charged on overdue balances at the monthly rate of 1.24% (14.88% annually), multiplied by the balance outstanding after the due date (within 2–3 days). The rate is evaluated each Spring, and then it is set for the following academic year. As of this publication, the interest rate of 1.24% (14.88% annually) is correct. See [mcgill.ca/student-accounts/your-account/deadlines-and-penalties/overdue](http://mcgill.ca/student-accounts/your-account/deadlines-and-penalties/overdue) for more information.

**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 you as a student if you do not pay your tuition fees, library fees, residence fees, or loans by their due date.

## Information for Registered Students

If you register for a term but still owe amounts from previous terms, you must either pay your previous term account balance 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** to discuss the possibility of obtaining financial aid:

Brown Student Services Building  
3600 rue McTavish, Room 3200  
Montréal, QC H3A 0G3



Telephone: 514-398-6013  
 Email: [student.aid@mcgill.ca](mailto:student.aid@mcgill.ca)  
 Website: [mcgill.ca/studentaid](http://mcgill.ca/studentaid)

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.

## 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.

## Cancelling Registration for Non-Payment of Previous Term(s)

In accordance with the fee policies stated in Overdue Accounts and Information for Registered Students, before the University cancels your current and subsequent term registration(s), 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. 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 or subsequent term(s), you must complete the *Request for Reinstatement* form ([mcgill.ca/student-accounts/forms](http://mcgill.ca/student-accounts/forms)) 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 a Reinstatement Penalty for the processing of the re-enrolment; exact fee amounts and further details are available on the Student Accounts website.

## 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 [mcgill.ca/student-accounts/your-account/requesting-refund](http://mcgill.ca/student-accounts/your-account/requesting-refund).

## Deferred Admission, Degree Transfers, Break in Enrolment

**Deferred Admission:** Students who defer their admission to the University will be subject to the tuition rates that are in effect for the term in which they are starting, and not the term in which they were originally admitted. This is of interest to International and Canadian non-Québec resident students in particular programs where tuition

rates have been guaranteed for the duration of their program as long as there is no break in enrolment or degree transfer.

**Degree Transfers:** International undergraduate students and students in non-research graduate programs who transfer degrees will be charged the tuition rate in effect for newly admitted students in the new degree in their term of transfer. Canadian non-Québec resident students will be charged the tuition rate in effect for newly admitted students in their term of transfer.

**Break in Enrolment:** Québec Residents may need to reprove their fee status if they have been absent (i.e., not enrolled) for more than two terms (not counting the Summer term). Students may verify their legal status in Minerva (select the appropriate term) to confirm that the QC residency status is still active. *Terms for which students are recorded as being away on an officially approved leave of absence are not counted.*

Canadian non-Québec resident students who are absent (i.e., not enrolled) for more than three terms (including the summer term), will be charged the tuition rate in effect for newly admitted students in the term in which they resume their studies.

International students in undergraduate or graduate level non-research programs who are absent (i.e., not enrolled) for more than three terms (including the summer), will be charged the tuition rate in effect for newly admitted students in the term in which they resume their studies. *A term of withdrawal from the University is included in the calculation of the break in enrolment when students are not charged tuition for that term. Terms for which students are registered on an officially approved leave of absence, exchange or study away program are not calculated as part of a break in enrolment.* This policy is not applicable to Visiting and Special students as international students in these categories always pay the fees of the new academic year.

## Fees for Students in Two Programs

Students in two programs are normally billed additional fees for their second program. Depending on the level of the two programs (e.g., one at the undergraduate level 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 [mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/exchange-senior-citizens-part-time-and-double-program](http://mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/exchange-senior-citizens-part-time-and-double-program) for further details.

You should consult the Student Accounts Office at [student.accounts@mcgill.ca](mailto: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.

## Students Taking Courses Extra to Their Program

Students who have been given permission by their department and Enrolment Services 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 [mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/grad-studies-information](http://mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/grad-studies-information).

## Québec Inter-University Transfer Agreements

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

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.

## 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.

## Sponsorships/Funding/Fee Deferrals

### 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 [mcgill.ca/student-accounts/parents-and-sponsors/third-party-sponsorship](http://mcgill.ca/student-accounts/parents-and-sponsors/third-party-sponsorship).

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.**

## Students Receiving McGill Funding

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

Students who are expecting awards to be paid in early January prior to the fee deadline may reduce their payment amount by the total amount of their awards. This will avoid unnecessary credit balances to be refunded.

Please note that credit balances in student fee accounts that result from payment from fellowships/awards are refundable only after the official course "course withdrawal with full refund" deadline for each term.

## 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](mailto: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 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.

Please note that credit balances in student fee accounts that result from payment from scholarships and awards are refundable only after the official "course withdrawal with full refund" deadline for each term.

## 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 while the deferral is effective. Once the deferral has ended, notification will be sent and fees will be due in full by the next payment deadline, otherwise interest and late payment fees will apply. 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.

Students may apply for a fee deferral via "Defer Payment of Tuition and Fees" through the *Financial Aid/Awards* 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.

**Note:** 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, as well as 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.

## Tax Slips/Receipts

T4A, Relevé 1, T2202, and Relevé 8 slips are issued in Minerva under the *Student Accounts Menu* by the end of February each year. Note that a Québec permanent code, 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 Relevé 1 and the Relevé 8 slips; therefore, it is highly recommended that if you expect to be completing a Québec income tax return, you provide this information to the University upon registration. More information on these slips is available at [mcgill.ca/student-accounts/your-account/tax-information](http://mcgill.ca/student-accounts/your-account/tax-information).

## Graduate Funding

Graduate and Postdoctoral Studies  
Graduate Funding  
James Administration Building, Room 400  
845 Sherbrooke St. W.  
Montréal, QC H3A 0G4

Email: [graduatefunding.gps@mcgill.ca](mailto:graduatefunding.gps@mcgill.ca)  
Website: [mcgill.ca/gps/funding](http://mcgill.ca/gps/funding)

Graduate and Postdoctoral Studies is responsible for the administration, awarding, and processing of many fellowships in support of McGill's graduate students and postdoctoral fellows. Further information on these and other sources of funding can be found on the Graduate Funding website.

Students accepted to thesis-based graduate degree programs receive a funding letter with their offer of admission. Funding levels vary by faculty and program. Funding packages mostly consist of awards or stipends from central funds, donations and endowments, or research grants from professors. These internal funds are awarded for progress towards the recipient's degree.

Research assistantships and teaching assistantships are considered employment and are handled by individual academic units at McGill. Employment salaries do not affect funding packages. All assistantship inquiries should be directed to academic units.

Graduate Funding also provides support and runs certain competitions for funding from external agencies. Refer to the Graduate Funding website for more information and funding opportunities.

Graduate and Postdoctoral Studies holds funding agreements with some international agencies to fund graduate degrees at McGill for eligible international students. These sponsorship opportunities can be found on the Graduate Funding website: [mcgill.ca/gps/funding/international](http://mcgill.ca/gps/funding/international). 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. Availability varies for such exemptions from year to year; refer to [quebec.ca/en/education/study-](http://quebec.ca/en/education/study-quebec/financial-assistance-international-students/exemptions-tuition-fees-under-international-agreements)

[quebec/financial-assistance-international-students/exemptions-tuition-fees-under-international-agreements](http://quebec.ca/en/education/study-quebec/financial-assistance-international-students/exemptions-tuition-fees-under-international-agreements), and contact your local government to find out if an agreement with Quebec is in effect. The list of organizations in charge of applications can be accessed from this website.

For detailed information regarding the rules and regulations of graduate awards and fellowships administered by Graduate and Postdoctoral Studies (e.g., Tomlinson Doctoral Fellowships and Graduate Excellence Fellowships), please refer to the General Award Holder's Guide.

## Research Policy and Guidelines

Students and postdoctoral fellows must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Research Policy and Guidelines section of this publication contains important details and should be periodically consulted, along with other sections and related publications.

## Regulation on the Conduct of Research

Please refer to the Regulation on the Conduct of Research available at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).

## Regulations Concerning the Investigation of Research Misconduct

Please refer to the Regulations Concerning the Investigation of Research Misconduct available on the Research Integrity Office's Policies page.

## Requirements for Research Involving Human Subjects

Please refer to the Ethics and Compliance website for information on policies and procedures for conducting research involving human participants: [mcgill.ca/research/research/compliance/human](http://mcgill.ca/research/research/compliance/human).

## Guidelines for Research with Animal Subjects

Please refer to the Policy on the Study and Care of Animals available at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations). For more information, consult Research and Innovation's Animal Research page.

## Policy on Intellectual Property

Please consult the policies on Inventions and Software or Copyright as found on the Research Integrity Office's page.

## Regulations Governing Conflicts of Interest

Please refer to the regulations governing conflicts of interest available at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).

Also consult [mcgill.ca/gps/students/policies-and-guidelines/guidelines-disclosing-conflict-interest](http://mcgill.ca/gps/students/policies-and-guidelines/guidelines-disclosing-conflict-interest) regarding Guidelines

for disclosing a Conflict of Interest when graduate students or postdoctoral trainees are involved.

## **Safety in Field Work**

Please refer to the policies on safety in field work available at [mcgill.ca/ehs/policies-and-safety-committees/policies/field-work-safety](http://mcgill.ca/ehs/policies-and-safety-committees/policies/field-work-safety).

## **Office of Sponsored Research**

Please refer to the Office of Sponsored Research.

## **Postdoctoral Fellows**

Please see [mcgill.ca/gps/postdocs](http://mcgill.ca/gps/postdocs).

# University and Facilities

Information on University governance and student facilities is detailed here.

- University Government (p. 65)
- Administration (p. 66)
- Student Governance (p. 67)
- Facilities and Residences (p. 68)
- Incorporated and Affiliated Colleges (p. 71)
- Libraries and Historical Collections (p. 71)
- McGill Writing Centre (p. 72)
- Service Point (p. 72)
- Student Services (p. 73)
- Information Technology (IT) Services (p. 76)
- Athletics and Recreation (p. 78)
- Ombudsperson for Students (p. 79)
- Extra-Curricular and Co-Curricular Activities (p. 79)
- Day Care (p. 79)
- Bookstore (p. 79)

## 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 Québec. 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 Nominating, Governance and Ethics Committee; three are elected by the Alumni Association; two are elected by the Senate from amongst its members; two are elected by the full-time administrative and support staff from amongst its members; two are elected by the full-time academic staff; and two are 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. The Chancellor and the President 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 President and Vice-Chancellor is the chief executive officer of the University, appointed by the Board of Governors after consultation with a statutory committee. The President is, ex officio, Chair of the 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.

## The Visitor

| Name                                                                                                                                | Title                                            |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Her Excellency the Right Honourable Mary Simon; C.C., C.M.M., C.O.M., O.Q., C.D., Governor General and Commander-in-Chief of Canada | <b>Administrator of the Government of Canada</b> |

As of July 1, 2024, the 25 voting members of the Board are:

### Executive Leadership

| Name            | Title                                |
|-----------------|--------------------------------------|
| Maryse Bertrand | <b>Chair</b>                         |
| Deep Saini      | <b>President and Vice-Chancellor</b> |
| Pierre Boivin   | <b>Chancellor</b>                    |

### Representative Members

#### Members-at-Large

Bajaj, Arun  
 Bertrand, Maryse, Chair Of The Board  
 Cesvet, Bertrand  
 David, Gregory  
 Deckelbaum, Ariel  
 Desnoyers, Alan  
 Headon, Fred  
 Matuszewski, Pierre  
 Vice-Chair  
 Paul, Maarika  
 Vice-Chair  
 Prando, Diletta  
 Sakhia, Samira  
 Sigler, Jonathan

#### Alumni Association Representatives

Bierbrier, Charles  
 Jabalpurwala, Inez  
 Reckziegel, David

#### Academic Staff Representatives

Kaspi, Victoria  
 Temcheff, Caroline

#### Administrative and Support Staff Representatives

Piggott, Adrienne  
 Malo, Kit

#### Senate Representatives

Rohrbach, Petra  
 Zorychta, Edith

#### Student Representatives

Students' Society of McGill University (SSMU) (1)  
 Post-Graduate Students' Society of McGill University (PGSS) (1)

#### Two non-voting student observers ("voice but no vote"):

McGill Association of Continuing Education Students (MACES) (1)  
 Macdonald Campus Students' Society (MCSS) (1)



For detailed profiles, including terms and professional backgrounds of the Board of Governors members, please visit [mcgill.ca/boardofgovernors/membership](http://mcgill.ca/boardofgovernors/membership).

## Senate Ex-Officio

- The Chancellor
- The Chair of the Board of Governors
- The President and Vice-Chancellor
- The Provost, Deputy Provost, and the vice-presidents
- 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
- The University Registrar and Executive Director of Enrolment Services
- The Director of Teaching and Learning Services

## Elected Members

- 65 members elected by the faculties, the University libraries, the Board of Governors, and administrative and support staff
- 21 Student Members

## Administration

McGill's Senior Administration and governing bodies—the Board of Governors and Senate—provide strategic guidance and oversight, ensuring accountability through a system of formal decision-making and reporting.

Please refer to About McGill's Administration and Governance page to meet McGill's senior staff and learn about the University's administration and governance structure.

### Senior Administration

| Name                   | Title                                                            |
|------------------------|------------------------------------------------------------------|
| Pierre Boivin          | <b>Chancellor</b>                                                |
| Deep Saini             | <b>President and Vice-Chancellor</b>                             |
| Véronique Bélanger     | <b>Chief of Staff</b>                                            |
| Paul Chamberland       | <b>Chief Information Officer</b>                                 |
| Angela Campbell        | <b>Provost and Executive Vice-President (Academic)</b>           |
| David Wright           | <b>Associate Provost (Academic Policies and Faculty Affairs)</b> |
| Marie-Hélène Pennestri | <b>Associate Provost (Graduate Education)</b>                    |
| Celeste Pedri-Spade    | <b>Associate Provost (Indigenous Initiatives)</b>                |
| Tony Mittermaier       | <b>Associate Provost (Student Life and Learning)</b>             |
| Christopher Buddle     | <b>Associate Provost (Teaching and Academic Planning)</b>        |
| Fabrice Labeau         | <b>Vice-President (Administration and Finance)</b>               |

|                       |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Marc Weinstein        | <b>Vice-President (University Advancement)</b>                                                          |
| Philippe Gervais      | <b>Vice-President (Communications and Institutional Relations)</b>                                      |
| Lesley Fellows        | <b>Vice-President (Health Affairs)</b>                                                                  |
| Dominique Bérubé      | <b>Vice-President (Research and Innovation)</b>                                                         |
| Anja Geitmann         | <b>Vice-President (Global Engagement)</b>                                                               |
| Romesh Vadivel        | <b>Registrar and Executive Director of Enrolment Services</b>                                           |
| Petra Rohrbach        | <b>Acting Associate Vice-President (Macdonald Campus)</b>                                               |
| Diana Dutton          | <b>Associate Vice-President (Human Resources)</b>                                                       |
| Cristiane Tinmouth    | <b>Associate Vice-President (Financial Services)</b>                                                    |
| Jean-Pierre Farmer    | <b>Associate Vice-President and Vice-Dean (Health Affairs, Faculty of Medicine and Health Sciences)</b> |
| Benoit Boulet         | <b>Associate Vice-President (Innovation and Partnerships)</b>                                           |
| Sophie Bolduc         | <b>Associate Vice-President (Facilities Management and Ancillary Services)</b>                          |
| Lara Khoury           | <b>Associate Vice-President (Research)</b>                                                              |
| Cecile Baccanale      | <b>Associate Vice-President (Animal Care)</b>                                                           |
| Kristina Öhrvall      | <b>Assistant Vice-President (Research Development)</b>                                                  |
| Philippe Gros         | <b>Deputy Vice-President (Research and Innovation)</b>                                                  |
| Pascal Théoret        | <b>Executive Director, Internal Audit</b>                                                               |
| Edyta Rogowska        | <b>Secretary-General</b>                                                                                |
| Jean-François Legault | <b>General Counsel and Director of Legal Services</b>                                                   |

## Deans

| Name                   | Unit                                                    |
|------------------------|---------------------------------------------------------|
| Valérie Orsat          | <b>Agricultural and Environmental Sciences (Acting)</b> |
| Lisa Shapiro           | <b>Arts</b>                                             |
| Carola Weil            | <b>Continuing Studies</b>                               |
| Elham Emami            | <b>Dental Medicine and Oral Health Sciences</b>         |
| Vivek Venkatesh        | <b>Education</b>                                        |
| Viviane Yargeau        | <b>Engineering</b>                                      |
| Marie-Hélène Pennestri | <b>Graduate and Postdoctoral Studies</b>                |
| Tina Piper             | <b>Law</b>                                              |
| Guyline Beaudry        | <b>Libraries</b>                                        |
| Yolande E. Chan        | <b>Management</b>                                       |
| Lesley Fellows         | <b>Medicine and Health Sciences</b>                     |

|                  |                                   |
|------------------|-----------------------------------|
| Sean Ferguson    | <b>Music</b>                      |
| Alanna Watt      | <b>Science (Interim)</b>          |
| Tony Mittermaier | <b>Dean of Students (Interim)</b> |

## Directors of Schools, Institutes and Libraries

| <b>Name</b>             | <b>Unit</b>                                                                     |
|-------------------------|---------------------------------------------------------------------------------|
| Julie Picard            | <b>Administration and Governance domain, Continuing Studies, School of</b>      |
| Anthony Ricciardi       | <b>Bieler School of Environment (AES, Arts, Law, and Science)</b>               |
| Keith Murai             | <b>Biomedical Sciences, School of</b>                                           |
| Elin Thordardottir      | <b>Communication Sciences and Disorders, School of</b>                          |
| Mathieu Blanchette      | <b>Computer Science, School of</b>                                              |
| Marion Vergues          | <b>French Language Centre</b>                                                   |
| Natalie Stoljar         | <b>Gender, Sexuality, and Feminist Studies, Institute of</b>                    |
| Eric Dupont             | <b>Global and Strategic Communication domain, Continuing Studies, School of</b> |
| Nicolette Papastefanou  | <b>Graduate Programs, Continuing Studies, School of</b>                         |
| Elizabeth Anne Kinsella | <b>Health Sciences Education, Institute of</b>                                  |
| Ryan J. Mailloux        | <b>Human Nutrition, School of</b>                                               |
| Veldon Coburn           | <b>Indigenous Relations Initiative, Continuing Studies, School of</b>           |
| Joan Bartlett           | <b>Information Studies, School of</b>                                           |
| Khalid Medani           | <b>Islamic Studies, Institute of</b>                                            |
| Julie Ricard            | <b>Management and Entrepreneurship domain, Continuing Studies, School of</b>    |
| Jennifer M. Welsh       | <b>Max Bell School of Public Policy</b>                                         |
| Jennifer Elrick         | <b>McGill Institute for the Study of Canada (Interim)</b>                       |
| Yvonne Hung             | <b>McGill Writing Centre</b>                                                    |
| Lesley Fellows          | <b>Medicine, School of</b>                                                      |
| Guy Rouleau             | <b>Montreal Neurological Institute</b>                                          |
| Lynne McVey             | <b>Nursing, Ingram School of</b>                                                |
| Reza Salavati           | <b>Parasitology, Institute of</b>                                               |
| David Theodore          | <b>Peter Guo-hua Fu School of Architecture</b>                                  |
| Isabelle Gagnon         | <b>Physical and Occupational Therapy, School of</b>                             |
| Robert Platt            | <b>Population and Global Health, School of</b>                                  |
| Christopher Burns       | <b>Rare Books and Special Collections</b>                                       |
| Garth W. Green          | <b>Religious Studies, School of</b>                                             |
| John Stagg              | <b>Rosalind and Morris Goodman Cancer Institute</b>                             |
| Nicole Ives             | <b>Social Work, School of</b>                                                   |
| Megan Bradley           | <b>Study of International Development, Institute for the</b>                    |

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| Samrajesh Mault  | <b>Technology and Innovation domain, Continuing Studies, School of</b> |
| Richard Shearmur | <b>Urban Planning, School of</b>                                       |
| Mark Lathrop     | <b>Victor Phillip Dahdaleh Institute of Genomic Medicine</b>           |

## Student Governance

All students registered in an undergraduate program on the Downtown Campus are registered members of the accredited Students' Society of McGill University, more commonly known as SSMU. The SSMU is your representative on key issues inside and outside of the campus and will advocate for student priorities to both the McGill administration and government bodies. There are six elected executives of SSMU who represent all 22,000-plus undergrads on the Downtown Campus. There is a Legislative Council that meets with representatives from faculty associations and other student groups around campus on a bi-weekly basis. This council of thirty-seven members meets to discuss student issues and how services are being provided to students.

SSMU operates over 250 clubs and runs 19 student services; for more information, see [ssmu.ca/student-life/clubs-services-isg](http://ssmu.ca/student-life/clubs-services-isg). SSMU provides a great deal of extra-curricular opportunities for students to balance a life of study with a life of involvement, and an opportunity to meet other students. The organization also provides event programming such as Orientation Week, Activities Night, Faculty Olympics, community engagement opportunities, workshops, and concerts. Each faculty and department also has organizations dedicated to providing extra-curricular involvement for their students.

Situated on the Downtown Campus, SSMU operates a five-floor building including a student lounge, cafeteria, campus bar, and many multipurpose spaces namely for use by student groups, but also for McGill community members.

SSMU offices are located at 3600 McTavish Street, Suite 1200 and operate between the hours of 9:00 a.m. and 5:00 p.m. during the year.

For more information regarding student government at McGill you can contact the SSMU or visit their website at [ssmu.ca](http://ssmu.ca).

Email: [frontctr@ssmu.ca](mailto:frontctr@ssmu.ca)  
President: [president@ssmu.ca](mailto:president@ssmu.ca)

Welcome to McGill and we look forward to representing your interests.

All students registered in courses that appear on the official McGill transcript, and whose records (including from the Faculty of Education) are administered by the School, are members of the **McGill Association of Continuing Education Students (MACES)**. Students taking Continuing Studies courses, but registered in programs administered by other McGill faculties, are members of other McGill student associations. Students registered in more than one program may belong to both MACES and other McGill student associations.

MACES was founded in 1985, incorporated in 1989, and a certificate of accreditation was issued in 1990. MACES's mission is to advocate for its students' academic and social needs as well as to offer them a network where they can meet other diverse groups of students and professionals.

Additionally, the Association offers a variety of services for its members including a fully equipped computer lab, which is free for all members,

Microsoft courses, as well as study, meeting, and social spaces in its building located at 3437 Peel Street, only minutes away from the McGill downtown campus. MACES also organizes and sponsors various events that provide an opportunity for students to build their social and professional network.

MACES has an ideal warm, relaxed ambiance for socializing, studying, or having a group meeting after a working day, before classes, and on weekends, a place where students are always welcome.

MACES is governed by its bylaws through the elected MACES Board of Directors. These executives are there to run the Association as well as to address students' needs with an open-door policy.

Full details of MACES services, bylaws, officers, and committees are available from the Association (telephone 514-398-4974 or visit [www.maces.ca](http://www.maces.ca)).

## Facilities and Residences

Students are expected to treat facilities and services offered at McGill respectfully and responsibly, to benefit all present and future members of the McGill community.

Further information about McGill campus facilities is available on the Facilities Management and Ancillary Services website.

## Residential Facilities

McGill residences offer 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

Please select the appropriate tab for further information:

- University Residences: Downtown Campus (p. 68)
- University Residences: Macdonald Campus (p. 69)
- Summer Accommodation (p. 70)
- Policies related to facilities (p. 71)

## University Residences: Downtown Campus

Move-in Weekend is scheduled for August 22–23, 2026. Leases run from August 20, 2026 to May 2, 2027, for first year undergraduate residences and exchange students while upper year undergraduate and graduate leases run from August 20, 2026, to June 30, 2027, except at Solin Hall which begin August 1, 2026 and proceed until June 30, 2027.

### First-Year Undergraduate Students

McGill Residences house approximately 3,000 undergraduate students in a variety of traditional dormitories, hotel-style residence buildings, apartment-style units, and shared-facilities houses. All residences include 24-hour support from Residence Life Managers and Protection Services, an active Residence Council, and full access to McGill's wireless network.

Most first-year undergraduates live in our Traditional or Hotel-Style residences, each offering a strong community atmosphere and convenient access to dining halls.

#### Traditional-Style Residences (Mandatory Meal Plan)

- Gardner, McConnell, and Molson Hall(s)
- Douglas Hall (Quiet residence)
- Royal Victoria College (RVC West Wing – women only)
- University Hall

These buildings offer primarily single rooms with shared bathrooms on each floor.

#### Hotel-Style Residences (Mandatory Meal Plan)

- New Residence Hall
- Carrefour Sherbrooke
- La Citadelle

These residences offer mostly double rooms with private en-suite bathrooms.

Students in these buildings are placed on the All You Care to Eat (AYCTE) Meal Plan and receive oneCard Flex dollars for use across campus.

#### Shared-Facilities Houses (Undergraduate Options)

##### Quiet Residences

- 506/510/522 Pins Ave
- 3653 University
- 3601 University

McGill maintains several beautifully restored historic houses offering a smaller, close-knit residence experience. All of these buildings offer single occupancy rooms with large, shared kitchens and common spaces as well as laundry facilities.

#### Apartment Style

##### Solin Hall (Apartment-Style, No Mandatory Meal Plan)

- Fully furnished apartments with 2–4 private bedrooms
- Shared kitchens and living areas

- Located near Atwater Market and the Lachine Canal
- Quick four#stop metro commute to campus
- oneCard dollars provided for dining flexibility

## Upper#Year Undergraduate Students

Upper#year undergraduates who wish to remain in residence have the following options:

RVC Tower (with Mandatory Meal Plan) or Solin Hall (no Mandatory Meal Plan but oneCard dollars)

### Apartment#Style Buildings (No Mandatory Meal Plan)

Greenbriar Apartments

- Studio and one#bedroom units
- For both upper#year undergraduates and graduate students

Hutchison Apartments

- Studio and one#bedroom units
- A short walk from campus

Residents may use oneCard dollars for dining on campus.

## Graduate Students

Graduate students may live in:

### Solin Hall

- 2–4 bedroom apartments with private rooms
- Ideal for independent or shared living

### Apartment Style Residences including Greenbriar, Hutchison, 3643 University and Rexford Hall

- Self#contained studios and one#bedroom apartments
- Quiet, private living spaces near campus

### Shared-Facilities Houses (Graduate Options)

McGill maintains several beautifully restored historic houses offering a smaller, close#knit residence experience.

All of these buildings offer single occupancy rooms with large, shared kitchens and common spaces as well as laundry facilities. Meal plans are not mandatory, but residents receive oneCard dollars for use at dining halls and campus food outlets.

## Meal Plans

Students assigned to the following residences are on the mandatory All You Care to Eat Meal Plan:

Carrefour Sherbrooke, La Citadelle, Douglas Hall, Gardner Hall, Molson Hall, McConnell Hall, New Residence Hall, Royal Victoria College, and University Hall.

This plan offers unlimited dine#in access at McGill's dining halls and promotes community building through shared meals.

## oneCard

oneCard is linked to your McGill ID and allows you to make purchases on campus without needing cash or debit cards. Payment is due at the end of September.

- Downtown undergraduate residences with the AYCTE Meal Plan: \$500 flex dollars
- Other downtown residences: \$600
- Macdonald Campus residences: \$400

## Living in Residences

Building a community is about being confident in reaching out to others and establishing meaningful relationships that enrich everyone's experience. The Residence Life Facilitator's role in this journey is crucial. This group of students are extremely motivated and inspired to organize and facilitate programming and activities in McGill residences to help build a strong community, encourage diversity, education, and personal development.

## Contact Us

McGill Student Housing and Dining Service Centre  
3465 Durocher St.  
Montréal, QC H2X 0A8

Telephone: 514#398#6368

Online: Requests must now be submitted through the Service Desk customer support portal: [hrservedesk.mcgill.ca/servedesk/customer/portal/34](https://hrservedesk.mcgill.ca/servedesk/customer/portal/34)

Website: [mcgill.ca/shhs/](https://mcgill.ca/shhs/)

## Student Government

Each hall has a Residence Council, elected at the start of the academic year. It is the job of the council to gather hall opinions, supervise financial affairs, and organize recreational and social activities within the residences. McGill's residences are run for the convenience and advantage of the students living in them. Residence Councils play a significant role in deciding and administering their community standards.

**Note:** Students are charged an activity fee of \$30 collected by the University on behalf of the Residence Council of each hall and the Inter-Residence Council. These funds comprise each Council's budget with which to plan activities for the hall and across residences.

## Residence Fees

The full list of housing options and prices is available on the Student Housing website.

## University Residences: Macdonald Campus

### Overview

Macdonald Campus offers two on#campus residence options:

**Laird Hall** and **Eco Residence**. Both options provide housing for undergraduate, graduate, and Farm Management and Technology (FMT). Students registered in courses at the downtown campus are also welcome to live at Macdonald Campus pending available spaces. Residence life plays a significant role in the student experience at Macdonald Campus and provides access to academic, recreational, and community resources.

## Residence Options

### Laird Hall

Laird Hall is a co#educational residence with a capacity of approximately **250 students**. It provides accommodation for undergraduate, graduate, and FMT students. Facilities include furnished rooms, modern shared kitchens, lounge areas, and other common spaces. High#speed Internet service and laundry is included with room fees.

### Eco Residence

The Eco Residence accommodates approximately **100 students** and is intended primarily for **upper#year undergraduate and graduate students**. Each unit is a fully furnished, self#contained apartment with either **two or six single bedrooms**, along with split#level layouts and large common living areas. High#speed Internet service and laundry is included with room fees.

## Residence Occupancy Period

Residence fees cover the period from **August 20, 2026, to May 2, 2027**.

Students are required to vacate their rooms at the end of this lease period.

Early arrival or late departure is only permitted in **exceptional circumstances**

Some circumstances include:

- Enrollment in extended academic sessions
- Summer course registration
- On#campus employment
- International or long#distance travel constraints

All exceptions require advance approval from the Housing Office and may be subject to additional fees.

## Residence Fees

Residence fees are billed separately from tuition but paid directly to the student fee account.

Because fees for the upcoming year may not yet be finalized, students should consult the most recent fee sheet at: [mcgill.ca/students/housing/fees-applying/mac-fees](http://mcgill.ca/students/housing/fees-applying/mac-fees)

## Food Services

There is **no mandatory meal plan** on Macdonald Campus. However, all new incoming students are assigned \$400 oneCard dollars payable at the start of their lease and charged to their student fee account. Students may:

- Purchase meals directly at **Twigs Café**, located between the Macdonald#Stewart Building and the Barton Library.
- Utilize the shared kitchen facilities located in both Laird and Eco Residence.

## Parking – Macdonald Campus

Parking permits are available from the **Macdonald Campus Parking Office** (Laird Hall, Room 101).

Permits are issued only to students and staff due to limited parking capacity. Payment must be made in person.

Applications can be submitted in advance by emailing the completed form to [parking.servicesmac@mcgill.ca](mailto:parking.servicesmac@mcgill.ca).

For more information, see: [mcgill.ca/transport/parking/mac](http://mcgill.ca/transport/parking/mac)

## Macdonald Campus Residence Information

### Residence Admissions Office

Laird Hall / EcoResidence  
P.O. Box 188  
Macdonald Campus of McGill University  
21 111 Lakeshore, Room 107  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514#398#7716

Email: Requests must now be submitted through the Service Desk customer support portal: [hrservedesk.mcgill.ca/servedesk/customer/portal/34](http://hrservedesk.mcgill.ca/servedesk/customer/portal/34)

Website: [mcgill.ca/students/housing/residence-options/macdonald](http://mcgill.ca/students/housing/residence-options/macdonald)

## Summer Accommodation

McGill University Housing and Conference Services offers residence accommodations in the following locations during the summer:

- **La Citadelle (LC)**: located only a few blocks from the McGill University main campus at 410 Sherbrooke Street West.
- **Carrefour Sherbrooke (CS)**: located near McGill's main campus in the heart of downtown at 475 Sherbrooke Street West.
- **Royal Victoria College Residence (RVC)**: located directly across from McGill's Downtown Campus.

McGill's residences are the perfect place to be during the summer in Montréal.

First-class shopping, restaurants, and museums are at your doorstep, with outdoor events and street festivals around every corner. The cobblestone streets and historic buildings of Old Montréal lie to the south; while to the north, Mount Royal invites you to go sunbathing, strolling, and picnicking. The sights and sounds of Montréal's many cultures are part of the vibrancy of the city.

**La Citadelle (LC)** offers hotel-style accommodation in McGill's residence located on Sherbrooke Street West, just steps from McGill's Downtown campus and the Golden Square Mile. At LC, you have the choice of a single-occupancy room with one queen-size bed or a double-occupancy room with two double beds. Each guestroom is equipped with a private bathroom, air conditioning, cable TV, free local calls, and Wi-Fi Internet access. There is a card-operated laundry room and fitness centre available 24 hours per day on site. LC also offers a common kitchen area for students. Students must bring their own cookware, dishware, and flatware.

**Carrefour Sherbrooke (CS)** provides hotel-style accommodations. Guests will find first-class shopping, restaurants and art galleries, outdoor cafés, and street festivals all within walking distance. Rooms offer one or two queen beds, private bathrooms, cable TV, air conditioning, a small refrigerator, and daily in-room housekeeping services. The building includes a small gym, paid laundry facilities, and shared common spaces.

**Royal Victoria College Residence (RVC)** offers traditional dormitory-style accommodations, featuring private rooms with shared bathroom and kitchen facilities. RVC is located right in the centre of the city, directly across from McGill's downtown campus. It is only a few steps away from the well-known Sainte-Catherine Street, lined with great shops and restaurants. The "Quartier des Spectacles" (entertainment



district), museums, and Mount Royal Park are all within walking distance. All rooms are private study rooms with one twin bed, a desk, dresser, armoire, and a small refrigerator. Shared bathrooms, kitchenettes, and laundry facilities can be found throughout the residence.

## Reservations for Summer Residences

Anyone arriving prior to May 8 must commit to a minimum of one month's stay and will be required to pay one month's accommodation in advance. There will be no refund of this amount should the student withdraw.

### Cancellation Policy:

Please contact the Housing and Conference Services reservations office no later than May 8, 12:00 p.m. ET (noon) to avoid a one-night cancellation fee. **Notice to any other University office is not sufficient.**

Prior to sending your application, it is strongly recommended that you verify availabilities with the Housing and Conference Services Reservation Office.

### To make a reservation:

- Telephone: 514-398-5200
- Email: [reserve.residences@mcgill.ca](mailto:reserve.residences@mcgill.ca)
- Website: [mcgill.ca/accommodations/summer](http://mcgill.ca/accommodations/summer)

## 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 [mcgill.ca/it/policies](http://mcgill.ca/it/policies).

## Smoking Policy

Quebec law prohibits smoking in public buildings. Smoking on University property is permitted only within outdoor designated smoking areas. Smoking is prohibited outside any designated smoking area on University property. For more information, see University's Environmental Health and Safety website and University's regulation concerning smoking.

For the purposes of the Tobacco Control Act, "smoking" also covers the use of an electronic cigarette or of any other device of that nature; "tobacco" also includes the following accessories: cigarette tubes, rolling paper and filters, pipes, including their components, and cigarette holders. Please consult Chapter L-6.2 - Tobacco Control Act, for further information.

## Policy Concerning Cannabis

McGill University has adopted a *Policy Concerning Alcohol, Cannabis and Other Drugs*. This policy applies to all McGill students, faculty, staff and visitors on the Downtown and Macdonald campuses, the Gault Nature Reserve, and spaces leased by the University. The policy only permits the consumption of cannabis for medical reasons, accompanied by a valid medical certificate, under certain conditions.

However, all consumption of cannabis for recreational use is prohibited on University property.

For further details on this policy please refer to the Policy Concerning Alcohol, Cannabis and Other Drugs.

## Incorporated and Affiliated Colleges

### Incorporated College

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

#### Royal Victoria College

3425 University St.  
Montréal, QC H3A 2A8

### Affiliated Theological Colleges

The three colleges below 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.

#### Montreal Diocesan Theological College

3473 University St.  
Montréal, QC H3A 2A8  
Principal: Rev. Dr. Jesse Zink; B.A.(Acad.), M.A.(Chic.), M.Div.(Yale), Ph.D.(Camb.)

#### Presbyterian College of Montreal

3495 University St.  
Montréal, QC H3A 2A8  
Principal: Rev. Dr. Roland de Vries; B.A.(Guelph), M.Div.(The Presbyterian College), S.T.M., Ph.D.(McG.)

#### United Theological College of Montreal

3475 University St.  
Montréal, QC H3A 2A8  
Principal: Rev. Maylanne Maybee; B.A.(Tor.), Dip.Theol., Cert.Ed.(Oxon), M.Div.(Trin. Coll., Tor.)

## Libraries and Historical Collections

The McGill Libraries provide access to over 10 million items, both in print and electronic formats, and consist of multiple location and units, including the McGill University Visual Arts Collection. Refer to our location map, and bring your McGill ID card if you wish to borrow physical items from our collections. Access to our electronic resources (e-books, e-journals, databases, etc.) is possible anytime and anywhere. You will be prompted to enter your McGill username and password when accessing our e-resources from off campus.

The McGill Libraries website is the portal to all our resources and services for your learning and research needs. There are thousands of databases available that you can choose from when doing a search on any topic. Librarians have created subject guides for each area of study at McGill. Each guide pulls together all the relevant

resources for doing research in that field. Find your subject guide to get started. In addition, unique scholarly materials from art and distinctive collections have been digitized and are accessible through the Libraries' website. Our website also provides access to items such as newspapers, and [escholarship@McGill](mailto:escholarship@McGill)—a digital repository, which collects, preserves, and showcases the publications, scholarly works, and theses of McGill University faculty members, researchers, and students.

Friendly staff in each library location can help you locate the information you need. Students have liaison librarians for their departments. Liaison librarians provide workshops on finding, organizing, and citing information, visit your classes to provide instruction on doing research for course assignments, and are available to assist you with your questions, whether in person, on the phone, by email, or via online chat.

Several locations offer extended opening hours during exam periods. The Libraries offer a variety of comfortable and attractive spaces, such as individual quiet study areas and group study rooms that can be booked for use. Wireless access is available throughout the library, as are hundreds of computers, and all libraries have printing, scanning, and copying machines.

Special services like the Course Readings Service allows you to access digital items on course reading lists in the Libraries' catalogue and in *myCourses*. You can also borrow materials from any location and the McGill University Collection Centre and return them anywhere across the system. If you need material not owned by the McGill University Libraries, our network loan and Interlibrary Loan Service will obtain it for you at no cost for McGill students, faculty, and staff. Loans can be picked up at any library location.

## Workshops

Workshops and tours designed to teach effective library use and to familiarize students with the McGill Libraries system are offered at various times throughout the academic session. For information, and schedules, visit the Workshops web page.

## Historical Collections

McGill also hosts a number of exceptional historical collections. For more information, and to view the full list of historical collections at McGill, please visit the Historical Collections web page.

## McGill Writing Centre

The McGill Writing Centre (MWC), established in 2010, is the University's central resource for writing and communication. Staffed by specialists in writing pedagogy, the Writing Centre offers a slate of credit courses and non-credit activities that attract undergraduate and graduate students from across disciplines.

The MWC's core set of credit courses focuses on a number of relevant topics, e.g., academic or scholarly communication, creative writing, digital genres, business communication, and communicating science and/or research to broad audiences. In addition to courses, students can also access non-credit programming (e.g., workshops, writing retreats) and individualized writing consults with the Tutorial Service.

The courses in academic, creative, digital, and professional writing may be taken as electives or to fulfil language requirements in some undergraduate degree programs. In some faculties, you need to obtain

approval from your Student Affairs Office as well as from your academic advisor before you take courses outside of your faculty, especially if the courses do not form part of your program requirements.

For further information, please visit the MWC website.

## McGill Writing Centre Course Information

Undergraduate course offerings can be found at [mcgill.ca/mwc/courses/undergraduate](http://mcgill.ca/mwc/courses/undergraduate).

Graphos graduate course offerings can be found at [mcgill.ca/graphos/courses](http://mcgill.ca/graphos/courses).

Continuing Education (non-credit) course offerings can be found at [mcgill.ca/mwc/special-interest-courses](http://mcgill.ca/mwc/special-interest-courses).

### Course Coordinator Information:

If you have inquiries about courses, please contact the specific course coordinator listed at [mcgill.ca/mwc/contact-us](http://mcgill.ca/mwc/contact-us).

## McGill Writing Centre Tutorial Service

The McGill Writing Centre Tutorial Service provides writing and presentation consults and support for all McGill students. Our tutors work with students at every stage of the writing or presentation process, from drafting and development to polishing and refinement. For more information, visit the McGill Writing Centre's Tutorial Service page.

## McGill Writing Centre Contact Information

McGill Writing Centre  
McLennan-Redpath Library  
Main Floor, Room #02  
3459 McTavish St.  
Montréal, QC H3A 0C9

Telephone: 514-398-7109  
Fax: 514-398-7416  
Website: [mcgill.ca/mwc](http://mcgill.ca/mwc)  
General Inquiries: [mwc@mcgill.ca](mailto:mwc@mcgill.ca)

Graphos  
Website: [mcgill.ca/graphos](http://mcgill.ca/graphos)  
Inquiries: [graphos@mcgill.ca](mailto:graphos@mcgill.ca)

MWC Tutorial Service  
Website: [mcgill.ca/mwc/tutorial-service](http://mcgill.ca/mwc/tutorial-service)  
Inquiries: [mwctutorial@mcgill.ca](mailto:mwctutorial@mcgill.ca)

## 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.

Some of the many services offered at Service Point for undergraduate and graduate students:

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

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

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

For a complete list of student services and resources at McGill, see [mcgill.ca/studentsservices/](http://mcgill.ca/studentsservices/).

For more information about Service Point, see [mcgill.ca/servicepoint](http://mcgill.ca/servicepoint).

## Location

3415 McTavish St. (at Sherbrooke)  
Montréal, QC H3A 0C8

Telephone: 514-398-7878  
Opening hours: [mcgill.ca/servicepoint](http://mcgill.ca/servicepoint)  
Email: [mcgill.ca/servicepoint/contact](mailto:mcgill.ca/servicepoint/contact)

## 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:

Brown Student Services Building, Suite 4100  
3600 McTavish St.  
Montréal, QC H3A 0G3

Email: [student.services@mcgill.ca](mailto:student.services@mcgill.ca)  
Telephone: 514-398-8238  
Website: [mcgill.ca/studentsservices](http://mcgill.ca/studentsservices)

A list of services available is given below. For further information, see the Student Services website. This list also includes services offered by McGill offices external to the Student Services office.

## Campus Life and Engagement (CL&E)

Supports all students, new and returning, and connects them to resources and opportunities that will enhance their student experience.

Brown Student Services Building  
3600 McTavish St., Suite 4100  
Montréal, QC H3A 0G3

Telephone: 514-398-6913  
Email: [cle@mcgill.ca](mailto:cle@mcgill.ca)  
Website: [mcgill.ca/cle](http://mcgill.ca/cle)

Incoming first-year students:  
Email: [firstyear@mcgill.ca](mailto:firstyear@mcgill.ca)  
Website: [mcgill.ca/getready](http://mcgill.ca/getready)

## Career Planning Service (CaPS)

Provides career education, industry events, advising, mentoring, workshops and a comprehensive job posting system (myFuture) to help you find permanent/part-time/summer jobs and internships, explore your career or graduate education options, and build your network.

Brown Student Services Building, East Wing, Suite 2200  
Service also available at Macdonald Campus, in Centennial Centre, Room 124. Please mention campus location when booking your appointment.

Telephone: 514-398-3304  
Email: [careers.caps@mcgill.ca](mailto:careers.caps@mcgill.ca)  
Website: [mcgill.ca/caps](http://mcgill.ca/caps)  
myFuture: [mcgill.ca/caps/students/services/myfuture](http://mcgill.ca/caps/students/services/myfuture)

## First Peoples' House

McGill's First Peoples' House provides a sense of community and a voice to Indigenous students who have left their home communities in order to pursue higher education. Services and supports address academic, cultural, and community needs. All Indigenous students including Métis, the Inuit, First Nations (both "status" and "non-status"), Maori, and Aborigines are welcome.

A McGill ID card is not required for access to services.

First Peoples' House at McGill  
3505 Peel St.  
Montréal, QC H3A 1W7

Telephone: 514-398-3217  
Email: [firstpeopleshouse@mcgill.ca](mailto:firstpeopleshouse@mcgill.ca)  
Website: [mcgill.ca/fph](http://mcgill.ca/fph)

## International Student Services (ISS)

Provides comprehensive support to international students, including orientation, transition programs, immigration advising, and health insurance guidance. Within ISS, the Mastercard Foundation Scholars Program team delivers tailored services for Scholars, focusing on academic success, leadership development, and community engagement.

Office locations:

- Downtown Campus: Brown Student Services Building, 3600 McTavish Street, Suite 4100 (East Wing).
- Macdonald Campus: Centennial Centre, Room 124 (please mention campus when booking your appointment).

Contact:

- Telephone: 514-398-4349
- Current or prospective McGill students, parents, McGill staff, and others may contact our office in writing by filling out a Request for Information (RFI) webform for temporary immigration inquiries and submit a Service Desk ticket using the International Health Insurance Portal for international health insurance inquiries.

Website: [mcgill.ca/internationalstudents](http://mcgill.ca/internationalstudents)

## Office of Religious and Spiritual Life (MORSL)

Connects students from various religious backgrounds with their on-campus communities and faith liaisons. Provides students with space and resources to explore spirituality, and educates students on how to thrive in a pluralistic society.

3610 McTavish St., 3rd floor, Room 36-2  
Montréal, QC H3A 1Y2

Telephone: 514-398-4104  
Email: [morsl@mcgill.ca](mailto:morsl@mcgill.ca)  
Website: [mcgill.ca/morsl](http://mcgill.ca/morsl)

## Office for Sexual Violence Response, Support and Education

Confidential, non-judgmental, and non-directional support for students, faculty, and staff of all genders impacted by sexual and gender-based violence. Services offered in both French and English.

550 Sherbrooke W., Suite 585 (West Tower)  
Montréal, QC H3A 1E3

Telephone: 514-398-3786; 514-398-4486  
Email: [svoffice@mcgill.ca](mailto:svoffice@mcgill.ca)  
Website: [mcgill.ca/osvrse](http://mcgill.ca/osvrse)

## Student Accessibility and Achievement

Student Accessibility and Achievement provides learning assessment, support services, and reasonable accommodations to undergraduate, graduate, and postdoctoral students with documented disabilities, mental health issues, chronic illnesses, or other impairments, whether they be temporary, permanent, or episodic.

Main Office – Downtown Campus  
1010 Sherbrooke St. W., Suite 410

Telephone: 514-398-6009 (service also available at Macdonald Campus; please mention campus location when booking your appointment)  
Email: [access.achieve@mcgill.ca](mailto:access.achieve@mcgill.ca)  
Website: [mcgill.ca/access-achieve/contact-us](http://mcgill.ca/access-achieve/contact-us)

Exam Centre  
Redpath Library Building  
3459 McTavish St., Suite RS-56

Telephone: 514-398-2480  
Email: [access.exams@mcgill.ca](mailto:access.exams@mcgill.ca)

Website: [mcgill.ca/access-achieve](http://mcgill.ca/access-achieve)

Macdonald Campus  
Centennial Centre, Room 124

Telephone: 514-398-7992  
Website: [mcgill.ca/osd](http://mcgill.ca/osd)

## Office of Sustainability

Supports McGill's goal to become an institutional model of sustainability for society. Whether you have a project in mind, or just a lot of questions, there are many ways for you to get involved with sustainability at McGill.

Sherbrooke 1010 Building, Suite 1200

Telephone: 514-398-2268  
Email: [sustainability@mcgill.ca](mailto:sustainability@mcgill.ca)  
Website: [mcgill.ca/sustainability](http://mcgill.ca/sustainability)

## Scholarships and Student Aid Office

Provides assistance in the form of bursaries, loans, and Work Study programs to students requiring financial aid; administers government aid programs; and promotes financial wellness through tools and workshops.

Brown Student Services Building, East Wing, Suite 3200  
Service also available at Macdonald Campus, in Centennial Centre, Room 124. Please mention campus location when booking your appointment.

Telephone: 514-398-6013  
Student Aid email: [student.aid@mcgill.ca](mailto:student.aid@mcgill.ca)  
Scholarships email: [scholarships@mcgill.ca](mailto:scholarships@mcgill.ca)  
Website: [mcgill.ca/studentaid](http://mcgill.ca/studentaid)

## Student Wellness Hub

The Student Wellness Hub provides physical and mental health and wellness resources in one space to all McGill students who pay the Student Services fee. Access doctors, nurses, counsellors, access advisors, dietitians, psychiatrists (by referral only), sexologists, and lab technicians; as well as information, support, and programming through the Healthy Living Annex.

Downtown Campus  
Brown Student Services Building, 3rd floor  
Service also available at Macdonald Campus, in Centennial Centre, Room 124. Please mention campus location when booking your appointment.

Telephone: 514-398-6017  
Email: [hub.clinic@mcgill.ca](mailto:hub.clinic@mcgill.ca)  
Website: [mcgill.ca/wellness-hub](http://mcgill.ca/wellness-hub)

Macdonald Campus  
Centennial Centre, Room 124

Telephone: 514-398-7992  
Website: [mcgill.ca/macdonald-studentservices/health-wellness](http://mcgill.ca/macdonald-studentservices/health-wellness)

## Macdonald Campus

Students who study on the Macdonald Campus may make full use of all student services on both campuses. **A complete list of student services available to McGill students can be found at Student Services website.** When booking an appointment with any of our services, please specify the campus where you would like to have your appointment. All student services at Macdonald Campus are located in the Centennial Centre, unless otherwise noted:

Student Services at Macdonald Campus  
Centennial Centre, Room 124  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7992  
Email: [stuserv.macdonald@mcgill.ca](mailto:stuserv.macdonald@mcgill.ca)  
Website: [mcgill.ca/studentsservices/mac](http://mcgill.ca/studentsservices/mac)

## Campus Life and Engagement

Supports all students, new and returning, and connects them to resources and opportunities that will enhance their student experience.

Telephone: 514-398-6913  
Email: [cle@mcgill.ca](mailto:cle@mcgill.ca)  
Website: [mcgill.ca/cle](http://mcgill.ca/cle)

Incoming first-year students:

Email: [firstyear@mcgill.ca](mailto:firstyear@mcgill.ca)  
Website: [mcgill.ca/getready](http://mcgill.ca/getready)

## Career Planning Service (CaPS)

Provides career education, industry events, advising, mentoring, workshops, and a comprehensive job posting system (myFuture) that includes permanent, part-time, summer jobs, and internships. The CaPS is here to help you explore your career or graduate education options and build your network.

Telephone: 514-398-3304  
Email: [careers.caps@mcgill.ca](mailto:careers.caps@mcgill.ca)  
Website: [mcgill.ca/caps](http://mcgill.ca/caps)  
myFuture: [caps.myfuture.mcgill.ca](http://caps.myfuture.mcgill.ca)

## First Peoples' House

McGill's First Peoples' House provides a sense of community and a voice to Indigenous students who have left their home communities in order to pursue higher education. Services and supports address academic, cultural and community needs. All Indigenous students including Métis, the Inuit, and First Nations (both "status" and "non-status"), Maori and Aborigines are welcome. A McGill ID card is not required for access to services.

3505 Peel St.

Telephone: 514-398-3217  
Email: [firstpeopleshouse@mcgill.ca](mailto:firstpeopleshouse@mcgill.ca)  
Website: [mcgill.ca/fph](http://mcgill.ca/fph)

## International Student Services (ISS)

Provides comprehensive support to international students, including orientation, transition programs, immigration advising, and health insurance guidance. Within ISS, the Mastercard Foundation Scholars Program team delivers tailored services for Scholars, focusing on academic success, leadership development, and community engagement.

Centennial Centre, Room 124

Telephone: 514-398-4349  
Website: [mcgill.ca/internationalstudents](http://mcgill.ca/internationalstudents)

Current or prospective McGill students, parents, McGill staff, and others may contact our office in writing by filling out a Request for Information (RFI) webform for temporary immigration inquiries and submit a Service Desk ticket using the International Health Insurance Portal for international health insurance inquiries.

## Office of Religious and Spiritual Life

Connects students from various religious backgrounds with their on-campus communities and faith liaisons. Provides students with space and resources to explore spirituality, and educates students on how to thrive in a pluralistic society.

Telephone: 514-398-4104  
Email: [morsl@mcgill.ca](mailto:morsl@mcgill.ca)  
Website: [mcgill.ca/morsl](http://mcgill.ca/morsl)

## Scholarships and Student Aid

Provides assistance in the form of bursaries, loans, and a Work Study program to students requiring financial aid. Administers government aid programs and promotes financial wellness through tools and workshops.

Telephone: 514-398-6013  
Student Aid email: [student.aid@mcgill.ca](mailto:student.aid@mcgill.ca)  
Scholarships email: [scholarships@mcgill.ca](mailto:scholarships@mcgill.ca)  
Website: [mcgill.ca/studentaid](http://mcgill.ca/studentaid)

## Student Accessibility and Achievement

Student Accessibility and Achievement provides learning assessment, support services and programs, and reasonable accommodations to undergraduate, graduate, and postdoctoral students with documented disabilities, mental health issues, chronic illnesses, or other impairments, whether they be temporary, permanent, or episodic.

Telephone: 514-398-7992 (Macdonald Campus)  
Email: [access.macdonald@mcgill.ca](mailto:access.macdonald@mcgill.ca) (Macdonald Campus)  
Telephone: 514-398-6009 (Downtown Campus)  
Email: [access.achieve@mcgill.ca](mailto:access.achieve@mcgill.ca) (Downtown Campus)  
Website: [mcgill.ca/access-achieve](http://mcgill.ca/access-achieve)

## Student Wellness Hub

The Student Wellness Hub provides physical and mental health and wellness resources to all McGill students who pay the Student Services



fee. Access doctors, nurses, counsellors, access advisors, local wellness advisors, dietitians, psychiatrists (by referral only), sexologists, and lab technicians. In addition, information, support, and programming are available through the Student Wellness Hub's Healthy Living Annex.

Telephone: 514-398-6017 (for general questions)  
Email: [hub.clinic@mcgill.ca](mailto:hub.clinic@mcgill.ca)  
Website: [mcgill.ca/wellness-hub](http://mcgill.ca/wellness-hub)

Macdonald Campus Clinic  
Centennial Centre, room 124

Telephone: 514-398-7992

**The following resources are outside the Student Services office:**

## Office for Sexual Violence Response, Support and Education

Confidential, non-judgmental, and non-directional support for students, faculty, and staff of all genders impacted by sexual and gender-based violence. Services offered in both French and English.

Telephone: 514-398-3954  
Email: [osvrse@mcgill.ca](mailto:osvrse@mcgill.ca)  
Website: [mcgill.ca/osvrse](http://mcgill.ca/osvrse)

## Office of Sustainability

McGill's Office of Sustainability, located on the Downtown Campus, sends representatives to Macdonald Campus every month to support McGill's goal of becoming an institutional model of sustainability for society. Whether you have a project in mind, or just a lot of questions, there are many ways for you to get involved with sustainability at McGill.

Telephone: 514-398-2268  
Email: [sustainability@mcgill.ca](mailto:sustainability@mcgill.ca)  
Website: [mcgill.ca/sustainability](http://mcgill.ca/sustainability)

## Continuing Studies

As a Continuing Studies student, you are not obligated to pay Student Services fees; however, if you want to use the student services offered at McGill, you must opt in to the Optional Student Services Package.

This package is available to students registered for a minimum of 9 credits in a given term. The fee gives access to McGill's Career Planning Service (CaPS), Student Wellness Hub (appointments with physicians, nurses, counsellors, psychiatrists, and other clinicians, and access to lab services), International Student Services, Off-Campus Housing, Office of Religious and Spiritual Life (MORSL), and Student Accessibility and Achievement.

For more information about the optional Student Services fees, see the Continuing Studies Fees section of the Student Accounts website.

A McGill ID card is mandatory for access to services.

You may obtain further information or apply for this package at:

Office of the Senior Director, Services for Students  
William and Mary Brown Student Services Building  
3600 McTavish St., Room 4100

Telephone: 514-398-8238  
Website: [mcgill.ca/studentsservices](http://mcgill.ca/studentsservices)

## McGill Athletics Package for Continuing Studies Students

Membership for SCS students includes access to The B2 Gym and all the drop-in recreational activities (basketball, badminton, jogging, lap swim). There are also classes available for purchase. For information, visit [recreation.mcgill.ca/membership](http://recreation.mcgill.ca/membership).

Sir Arthur Currie Memorial Gymnasium  
475 Pine Ave. W.

Telephone: 514-398-7000  
Website: [www.mcgillathletics.ca](http://www.mcgillathletics.ca)

## Parking for Continuing Studies Students

Student parking permits are available to School of Continuing Studies students, however facilities are limited. For information on parking rates, please visit McGill's parking page.

Students with a disability, medical condition, or temporary injury who require proximity parking may be able to obtain a permit or day passes for parking areas near the buildings they need to access. Contact Student Accessibility and Achievement with this request.

## University Centre for Continuing Studies Students

Food and beverage services are available in the evenings at the University Centre, located at 3480 McTavish Street. Visit the Students' Society of McGill University page for more information.

## McGill Writing Centre Tutorial Service

The McGill Writing Centre Tutorial Service provides writing instruction and support for all McGill students. Our tutors provide in-person or virtual tutoring to School of Continuing Studies students at every stage of the writing process, from outlining to final revision. For more information, visit the MACES Tutorial Service page.

## Information Technology (IT) Services

### IT Tools

McGill University students, faculty, staff, and other members of the McGill community benefit from a variety of Information Technology resources. Please visit Resources for Students for details.

### IT Support

McGill's IT Support site is your one-stop shop for information and support on using IT services including email, Microsoft 365 tools, Wi-Fi, VPN, and more. Search the IT Knowledge Base for instructional articles, report issues, make requests for services, chat with support agents, view announcements and system status, and follow up on your support tickets all from one convenient location.

## Communication and Collaboration

McGill offers communication and collaboration tools that work together to support and enhance your educational experience.

### Email

All students are assigned a McGill email address (usually in the form of *firstname.lastname@mail.mcgill.ca*) and given a McGill email mailbox. Please refer to Email Communication (p. 78) for further information on email services.

### MS Teams

Microsoft Teams is the recommended application for conducting virtual meetings, audio and video calls, text messaging, and filesharing among McGill students, faculty, and staff members.

### OneDrive

Students are given 1 Terabyte of free file storage space on the Microsoft 365 cloud where you can store and share documents.

### Microsoft Office and 365 Apps

As a student you can download and install the entire Microsoft 365 apps (previously ProPlus apps) suite (Word, Excel, PowerPoint, OneNote, etc.) to your personal devices, and sync your files with the online versions in OneDrive.

Other Microsoft 365 apps include Forms (surveys and data collection), Sway (interactive online presentations), Stream (video streaming platform), SharePoint Online, and more.

**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.

## Online Course Materials and Lecture Recordings

Sign in to myCourses for your online assignments, reading materials, and syllabus. Many course lectures are recorded for streaming playback on demand.

Zoom is the cloud-based tool used for attending remote classes when on-campus classes are not available.

See the Teaching and Learning Services website for more information.

## Minerva

Minerva is McGill's web-based information system serving applicants, students, staff, and faculty. To access Minerva, go to [mcgill.ca/minerva](http://mcgill.ca/minerva) and log in with your McGill username and password or with your McGill ID and Minerva PIN. 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 Username, used to access computers on campus, WiFi, Email, Office 365, campus printing, and more

- View your Permanent Code, citizenship, and Québec residency status, and fee information
- Update personal information such as address, telephone number, and emergency contacts
- Update your preferred first name
- 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
- Official documentation to order a reduced-fare STM Opus card

For information on accessing Minerva, visit McGill's IT Portal.

## Secure Your Journey

McGill IT Services wants to ensure students have a safe and secure journey from the moment you apply to the university to graduation, and beyond. Our new Secure Your Journey website contains tips on:

- Starting your McGill journey safely with strong passwords and two-factor authentication (2FA);
- Learning securely; and
- Staying vigilant against cyber threats such as phishing.

Visit [mcgill.ca/cybersafe](http://mcgill.ca/cybersafe) for tools and resources to secure your student journey at McGill.

## IT Policies

McGill University students, faculty, staff, and other members of the McGill community benefit from a variety of Information Technology resources, which are used in accordance with University policies and directives. Visit the IT policies site for further details.

## Responsible Use of McGill Information Technology Resources

Each of us has responsibilities when using McGill's IT resources. The *Policy on the Responsible Use of McGill Information Technology Resources* is a code of conduct that identifies what is acceptable when working with McGill technology resources.

For more information, view the Policy on the Responsible Use of McGill Information Technology Resources, available on the Secretariat website.

**Note for M.D., C.M., and D.M.D. Programs:** For guidelines regarding the use of social media by M.D., C.M., and D.M.D. students, see [mcgill.ca/ugme/policies-procedures/guidelines-social-media](http://mcgill.ca/ugme/policies-procedures/guidelines-social-media) and [mcgill.ca/thewelloffice](http://mcgill.ca/thewelloffice).

## Report Security Incidents

Please inform IT Services immediately if you experience or are aware of an IT security incident!

- Contact IT through the IT Service Desk;
- Or by telephone at **514-398-3398** for immediate help;

- For additional information, please see Reporting IT security incidents.

If the incident involves bullying, harassment or other potential risks to the health and safety of individuals, please contact McGill Security Services at **514-398-3000** in the Downtown Campus or **514-398-7777** at the Macdonald Campus immediately.

## Use of Cloud Services

McGill's Cloud Directive governs your usage of cloud services—programs and apps delivered over the Internet. McGill has approved cloud apps and solutions that are available for your use while at McGill. However, you will need to choose your apps wisely as not all apps are safe, and they will not all adequately protect sensitive data (either your own or McGill's).

To learn how to safely use cloud apps and solutions, please refer to the Cloud Services Page.

## Two-Factor Authentication (2FA)

All student, faculty, and staff accounts are protected with two-factor authentication (2FA), an additional security measure that requires a secondary method of authentication (e.g., acknowledging a prompt or entering a code sent to your mobile device via a mobile app) when signing into many McGill systems. 2FA makes it much harder for cybercriminals to access your account and your personal information, even if they obtain your password. 2FA is required for all higher education institutions in Canada.

## Email Communication

All students are assigned a McGill email address (usually in the form of *firstname.lastname@mail.mcgill.ca*) and are given a McGill email mailbox. It is your responsibility to monitor your McGill email regularly because this is the official means of communication between McGill University and its students. Ensure that you read and act upon the emails in a timely fashion.

To access your McGill email, go to the Microsoft Office website and sign in with your McGill username and password.

**Note:** Confirm your McGill email address or set your McGill password on Minerva, under the *Personal Menu*. You can also change or reset your McGill password by following the instructions on the McGill Password Reset Checklist.

If you have another email account using an external service provider (such as Gmail, Hotmail, Yahoo, etc.), please review the Options for dealing with multiple email services article on the IT Knowledge Base.

For more information, visit the Policy on E-mail Communication with Students, available on the Secretariat website.

## Athletics and Recreation Downtown Campus Athletics and Recreation

Offers a wide range of facilities, activities, and equipment. Facilities include:

- gymnasium
- fully equipped fitness centre

- varsity weight room
- pool
- fieldhouse
- stadium
- indoor and outdoor running tracks and tennis courts
- squash and racquetball courts
- spinning, fitness, and martial arts studios
- various playing fields
- small groups and one-on-one training spaces
- gender-neutral changing spaces and bathrooms

McGill students can participate in instructional, recreational, intramural, and intercollegiate activities, as well as sports clubs. There are nominal fees for instructional courses, intramurals, sports equipment rentals, and membership to the Fitness Centre. Sporting equipment (x-country skis, snowshoes, racquets, balls, etc.) is available for loan or rent.

McGill Sports Complex  
475 Pine Ave., West

Telephone: 514-457-7326

Email: [perry.karnofsky@mcgill.ca](mailto:perry.karnofsky@mcgill.ca) (recreational sports)

or [lisen.moore@mcgill.ca](mailto:lisen.moore@mcgill.ca) (varsity sports)

Website: [recreation.mcgill.ca/maccampus/home](http://recreation.mcgill.ca/maccampus/home)

Facebook: [www.facebook.com/mcgillathleticsandrecreation](http://www.facebook.com/mcgillathleticsandrecreation)

Twitter: [www.twitter.com/McGillAthletics](http://www.twitter.com/McGillAthletics)

## Macdonald Campus Athletics and Recreation

Offers a wide range of facilities, activities, and equipment, free of charge. Facilities include:

- gym
- fitness centre
- smart studios
- multi-courts
- playing fields
- outdoor Trekfit gym
- outdoor volleyball court
- large expanses of green space

Students can participate in instructional, recreational, intramural, and intercollegiate activities. There are nominal fees for intramural and fitness courses. Sporting equipment (cross-country skis, snowshoes, stand up, frisbees, balls, etc.) is available for loan or rent.

Athletics offices are located in the Stewart Athletic Complex, just west of the Centennial Centre.

Stewart Athletic Complex

Telephone: 514-457-7326

Website: [macdonaldcampusathletics.ca](http://macdonaldcampusathletics.ca)

Facebook: [www.facebook.com/Mac-Athletics-and-Recreation-559732057427796/?fref=ts](http://www.facebook.com/Mac-Athletics-and-Recreation-559732057427796/?fref=ts)

## Ombudsperson for Students

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

The mandate of the Office is to intervene at any point and attempt to resolve issues informally before proceeding to more formal processes. Please refer to the website to determine when you should contact the Ombudsperson.

Office of the Ombudsperson  
3610 McTavish St., Room 14 (main floor)

Telephone: 514-398-7059  
Email: [ombudsperson@mcgill.ca](mailto:ombudsperson@mcgill.ca)  
Website: [mcgill.ca/ombudsperson](http://mcgill.ca/ombudsperson)

## Extra-Curricular and Co-Curricular Activities

Student associations and University units at McGill host over **300** activities, clubs, and services that students may join.

- Athletics and recreation sports clubs
- Charity and environmental clubs
- Community outreach and volunteering clubs
- Fine art, dance, and performance clubs
- Health and wellness clubs
- Languages and publications clubs
- Leisure activity and hobby clubs
- Networking and leadership development clubs
- Political and social activism clubs
- Religion and cultural clubs

An overview of extra-curricular activities at McGill is available on **Campus Life and Engagement's site**.

### Co-Curricular Activities

These are structured learning experiences outside the classroom that complement academic goals. Students can:

- use **myInvolvement** - an online tool managed by Career Planning Services for McGill students - to find current involvement opportunities on campus
- record their involvement in eligible activities, workshops, volunteer opportunities, and leadership positions on their Co-Curricular Record (CCR)

## University Centre, Thomson House, and Centennial Centre

The University Centre, 3480 McTavish Street, provides clubrooms for many extra-curricular activities in a four-storey building with dining options, a ballroom, lounges, and a black box theatre. Activities for graduate students are centred in Thomson House at 3650 McTavish Street.

On the Macdonald Campus, facilities are located in the Centennial Centre; please consult the Student Services website for services and activities on the Macdonald Campus.

**Note:** Space and room availability on campus varies seasonally and depending on university and public health guidelines; please refer to each building's website for more information.

## Day Care

The McGill Childcare Centre (CPE McGill) is an independently run centre that can accommodate 110 children, ranging in age from four months to five years. Applications are to be submitted at [www.laplace0-5.com](http://www.laplace0-5.com); early application is required as placement is limited.

The Centre is located at:

3491 Peel St.  
Montréal, QC H3A 1W7

Telephone: 514-398-6943  
Website: [mcgill.ca/daycare](http://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 Ave.  
Sainte-Anne-de-Bellevue, QC H9X 2E3

Telephone: 514-398-7951

## Bookstore

### Downtown Campus

The McGill Campus Store sells a full range of books for the academic and professional community, stationery supplies, McGill clothing, and gift items. Visit The McGill Campus Store website to sign up for the newsletter so you are the first to know about services, promotions, store hours, and so much more. The McGill Campus Store's online store is open year-round, and you can shop 24/7 from the comfort of your home.

#### Main Store:

680 Sherbrooke St., West  
Montréal, QC, H3A 2M7

Website: [mcgillcampusstore.ca](http://mcgillcampusstore.ca)

### Macdonald Campus

Located on the main floor of the Centennial Centre, the McGill Campus Store at Macdonald Campus carries McGill and Macdonald clothing and insignia items. Shop online 24/7 at [mcgillcampusstore.ca](http://mcgillcampusstore.ca) and have your items shipped to this location for pickup.

#### Macdonald Campus Store

Macdonald Campus Centennial Centre  
21111 Lakeshore Rd.

Sainte-Anne-de-Bellevue, QC, H9X 3V9

Website: [mcgillcampusstore.ca/category/macdonald-campus](http://mcgillcampusstore.ca/category/macdonald-campus)

# Archives

## Academic Calendars

The academic calendar archives are available on the McGill's Program calendars web page.

## Important Dates

A list of key academic dates for the academic year is available on the Key Academic Dates website. For specific dates such as registration dates, application deadlines, convocation dates, etc. you can also refer to the Important Dates search tool.

More important dates are also shared at:

- Application dates and deadlines:
  - Undergraduate Admissions
  - Graduate and Postdoctoral Studies Applicants
  - Continuing Studies Admissions
  - Dentistry Admissions
  - Law Admissions
  - Medicine and Health Sciences Admissions
- Courses offered and class schedule: Minerva class schedule
- Registration Dates
- Housing and move-in day
- Orientation week
- Start and end of classes
- Examination schedule and locations



# GRADUATE & POSTDOCTORAL

- About Graduate & Postdoctoral Studies (p. 81)
- Agricultural & Environmental Sciences (p. 85)
- Arts (p. 121)
- Dental Medicine & Oral Health Sciences (p. 227)
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- Medicine & Health Sciences (p. 361)
- Music (p. 431)
- Nursing (p. 453)
- Physical & Occupational Therapy (p. 468)
- Science (p. 478)

## About Graduate and Postdoctoral Studies Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [mcgill.ca/gps](http://mcgill.ca/gps)

**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

## Administrative Officers

| Name                                                   | Title                                                                                      |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)              | <b>Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)</b> |
| Lorraine Chalifour; B.Sc., Ph.D. (Manit.)              | <b>Associate Dean (Graduate and Postdoctoral Studies)</b>                                  |
| Tabitha Sparks; B.A., M.A., Ph.D. (Wash.)              | <b>Associate Dean (Graduate and Postdoctoral Studies)</b>                                  |
| Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.) | <b>Associate Dean (Graduate and Postdoctoral Studies)</b>                                  |

## Graduate and Postdoctoral Studies' Mission

The mission of Graduate and Postdoctoral Studies (GPS) is to promote university-wide academic excellence for graduate and postdoctoral education at McGill. GPS provides leadership and strategic direction across the university in close collaboration with the academic and administrative units, and the graduate and postdoctoral community.

## Graduate Studies

### Important Dates

For all dates relating to the academic year, consult the Important Dates for Students site.

### Graduate Studies at a Glance

Please refer to Graduate Studies at a Glance (p. 45) for a list of all graduate departments and degrees currently being offered.

### Program Requirements

Refer to Program Requirements (p. 21) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

## Graduate Admissions and Application Procedures

Please refer to Graduate Admissions and Application Procedures (p. 53) for information on:

- Application for admission;
- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

## Fellowships, Awards, and Assistantships

Please refer to Fellowships, Awards, and Assistantships (p. 63) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

## Graduate Studies Guidelines and Policies

Refer to Guidelines and Policies (p. 37) for information on the following:

- Failure Policy
- Graduate Student Research Progress Tracking
- Graduate Student Supervision
- Graduate Studies Reread Policy
- Guideline on Hours of Work
- Language Policy
- Leave of Absence Status
- Vacation Policy for Graduate Students and Postdocs
- Ph.D. Comprehensives Policy
- Admission of Former Students
- Time Limitation
- Policy on Assessment of Student Learning

## Graduate Student Services and Information

Graduate students are encouraged to refer to Student Services (p. 65) section in the University Regulations for information on the following topics:

- University Government
- Administration
- Student Governance
- Facilities and Residences
- Incorporated and Affiliated Colleges
- Libraries and Historical Collections
- McGill Writing Centre
- Service Point
- Student Services
- Information Technology (IT) Services
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Day Care
- Bookstore

## Information on Research Policies and Guidelines, Patents, Postdocs, Associates, and Trainees

Refer to Research Policy and Guidelines (p. 63) for information on the following:

- Regulation on the Conduct of Research
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human Subjects
- Guidelines for Research with Animal Subjects
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdoctoral Fellows

## Postdoctoral Studies

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The Postdoctoral Studies section of this publication contains important details postdocs will require during their stay at McGill and should be periodically consulted, along with other sections and related publications.

- Guidelines and Policy for Academic Units on Postdoctoral Education (p. 82)
- Leave of Absence and Vacation Policy (p. 83)
- Postdoctoral Research Trainees (p. 84)

## Guidelines and Policy for Academic Units on Postdoctoral Education

Every unit hosting postdocs should apply institutional policies and procedures for the provision of postdoctoral education and have established means for informing postdocs of policies, procedures, and privileges (available at [mcgill.ca/gps/postdocs](http://mcgill.ca/gps/postdocs)), as well as mechanisms for addressing complaints. For their part, postdocs are responsible for informing themselves of such policies, procedures, and privileges.

### 1. Definition and Status

- a. Postdoctoral status will be recognized by the University in accordance with Quebec provincial regulations as may be modified from time to time. The eligibility period for postdoctoral status is up to five years from the date when the Ph.D. or equivalent degree was awarded. A leave of absence (p. 42) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.
- b. Some McGill postdocs have dual status as both students and employees (unionized or non-unionized). Consult the Graduate and Postdoctoral Studies website for definitions of Postdoctoral Fellows, Postdoctoral Scholars, and Postdoctoral Researchers.
- c. Postdocs must conduct research under the supervision of a McGill professor (including Adjunct Professors), qualified in the discipline in which training is being provided and with the ability to fulfil supervisory responsibilities and act as a mentor for career development. Postdocs are expected to engage primarily in research with minimal teaching or other responsibilities.

### 2. Registration

- a. Postdocs must register annually with the University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the eligibility criteria as stipulated on the Graduate and Postdoctoral Studies website.
- b. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- c. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see Vacation Policy for Graduate Students and Postdocs (p. 43) and Leave of Absence Status (p. 42)).

### 3. Appointment, Funding, Letter of Agreement

- a. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- b. In order to be registered, the postdoc must be assured of financial support other than from personal means during their stay at McGill University. This amount must be equivalent to the minimal stipend requirement set by the University in accordance with guidelines issued by federal and provincial research granting agencies or the collective agreement, as applicable. Funding during parental leave is subject to the conditions of the funding agency or the collective agreement, as applicable.
- c. Postdocs require a Letter of Agreement for Postdoctoral Education signed by the postdoc, the supervisor, and the department/unit head or delegate.

- d. Postdocs with full responsibility for teaching a course should be compensated over and above their postdoctoral funding as course lecturers. This applies to all postdocs, except those for whom teaching is part of the award.
- e. 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 or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

#### 4. Privileges

- a. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/deanofstudents/student-rights-and-conduct/student-rights](http://mcgill.ca/deanofstudents/student-rights-and-conduct/student-rights), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).
- b. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- c. As a general rule, postdocs may take courses for credit as Special Students following the admissions procedures outlined at [mcgill.ca/gradapplicants/apply/prepare/visiting](http://mcgill.ca/gradapplicants/apply/prepare/visiting). Tuition and other charges will apply.
- d. Postdocs may be listed in the McGill directory.
- e. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- f. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- g. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- h. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Academic Programs (TAP). These sessions are usually free of charge.
- i. Postdocs have access to the services provided by the Ombudsperson.
- j. 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.
- k. Access to student services is granted to non-unionized postdocs, who are charged the Student Services fee in the Fall and Winter terms, through their student fee accounts.

#### 5. Responsibilities

- a. Postdocs are subject to the responsibilities outlined at [mcgill.ca/deanofstudents/student-rights-and-conduct](http://mcgill.ca/deanofstudents/student-rights-and-conduct) and must abide by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).
- b. Each academic unit hosting postdocs should clearly identify postdocs' needs and the means by which they will be met by the unit.
- c. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting postdocs.
- d. Some examples of the responsibilities of the academic unit are:
  - to verify the postdoc's eligibility period for registration;
  - to provide postdocs with departmental policy and procedures that pertain to them;

- to facilitate the registration and appointment of postdocs;
  - to assign departmental personnel the responsibility for postdoctoral affairs in the unit;
  - 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; and
  - to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.
- e. Some examples of the 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; and
    - to prepare, sign, and adhere to a Letter of Agreement for Postdoctoral Education.
  - f. Some examples of the responsibilities of postdocs are:
    - to inform themselves of and adhere to the University's policies and/or regulations for postdocs as outlined at [mcgill.ca/gps/postdocs](http://mcgill.ca/gps/postdocs) and [mcgill.ca/deanofstudents/student-rights-and-conduct/student-rights](http://mcgill.ca/deanofstudents/student-rights-and-conduct/student-rights), and the Graduate and Postdoctoral Studies University Regulations (p. 11);
    - to submit a complete registration package to Enrolment Services;
    - to sign and adhere to their Letter of Agreement for Postdoctoral Education;
    - to communicate regularly with their supervisor; and
    - to inform their supervisor of their absences.
  - g. 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 (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

## Leave of Absence and Vacation Policy

### Leave of Absence for Familial and Health Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see the Leave of Absence Status (p. 42) page).

Such a leave must be requested on a term-by-term basis and may be granted for a period of up to 52 weeks. For a maternity or parental leave, the eligibility period of a maximum of 52 consecutive weeks is determined based on when the child is born; if the leave is interrupted for one or two terms, the eligibility period cannot be extended. 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 Enrolment Services. See the procedure on the Leave of Absence Status (p. 42) page.

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. A summary of various leave policies (paid or unpaid) for students and Postdocs paid from the Federal and Quebec Councils through fellowships or research grants is available on the GPS Leave of absence and vacation policy page.

## Vacation Policy for Graduate Students and Postdocs

Graduate students and non-unionized Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of 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.

Unionized Postdocs should consult the Collective Agreement for their vacation entitlement.

# Postdoctoral Research Trainees Eligibility

If your situation does not conform to the Government of Quebec's definition of a 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 and Health Sciences—not Graduate and Postdoctoral Studies.

The category of Postdoctoral Research Trainee is for:

**Category 1:** An individual who has completed requirements for a Ph.D. or equivalent doctoral degree, or a health professional degree (e.g. M.D., D.V.M., D.D.S.) plus a medical specialty, but whose degree/certification has not yet been awarded. An individual in this category will subsequently be eligible for registration as a Postdoctoral Fellow, Postdoctoral Scholar, or Postdoctoral Researcher.

**Category 2:** An individual who is not eligible for postdoctoral registration according to the Government of Quebec's definition but is a recipient of an external postdoctoral award obtained through a competitive process from a recognized Canadian funding agency (or equivalent).

**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. This individual wishes to conduct the research stage or elective component of their program of study at McGill University under the supervision of a McGill professor. This individual will be engaged in full-time research with well-defined objectives, responsibilities, and methods of reporting. Applications must be accompanied by a letter of permission from the applicant's 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 doctorate) 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 fulfils criteria for funding as a postdoc by a tri-council operating grant. Note: Immigration may require international applicants in this category to show proof of employment in their home country at the end of the training period in order to issue a work permit.

**Note:** The Postdoctoral Research Trainee category is for registration purposes only and is normally applicable for brief periods. For pay purposes the usual postdoc classifications apply.

## General Conditions

- The maximum duration of a Postdoctoral Research Trainee appointment is three years.
- The individual must be engaged in full-time research.
- The individual must provide copies of official transcripts/diplomas.
- The individual must have the approval of a McGill unit and professor who will supervise the research.
- The individual must have adequate proficiency in English but they are not required to provide official proof of English competency to Enrolment Services.
- The individual must comply with regulations and procedures governing research ethics and safety and obtain the necessary training.
- The individual 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).
- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

Refer to the Conditions and Services page on the GPS website for more information.

## Agricultural and Environmental Sciences

The Faculty of Agricultural and Environmental Sciences is located on McGill University's Macdonald Campus, in the Montreal suburb of Ste-Anne-de-Bellevue. It is an oasis of green space in the midst of an urban environment, occupying a splendid waterfront setting connected by a free 45-minute shuttle ride to the Downtown Campus.

What makes the Macdonald Campus approach to learning unique? It's discovering the thrill of scientific investigation through hands-on work. It's gaining the expertise to help feed the planet and protect the environment. You'll benefit from small classes and have the opportunity for study abroad.

### Mission

The Faculty of Agricultural and Environmental Sciences is committed to excellence in teaching, research, and service to ensure that humanity's present and future food, health, and natural resource needs are met while protecting the environment.

## Departments, Schools, and Institutes

- Agricultural Economics (p. 85)
- Animal Science (p. 86)
- Bioresource Engineering (p. 90)
- Biotechnology (p. 97)
- Food Science and Agricultural Chemistry (p. 99)
- Human Nutrition (p. 102)
- Natural Resource Sciences (p. 107)
- Parasitology (p. 112)
- Plant Science (p. 114)

## Agricultural Economics

### About Agricultural Economics

The goal of graduate training in Agricultural Economics is to provide students with the applied concepts and tools to identify, define, and analyze economic problems affecting the performance of the agri-food sector and the environment. Attention is given to:

- the development of analytical skills in Applied Economics related to agriculture, environment, and ecological economics;
- Environmental and Resource Economics;
- International Agricultural Development;
- Farm Management, Production, and Finance.

The program prepares graduates for rewarding careers in research, analysis, and decision-making in academia; private and NGO sectors; and government. For more information on the **M.Sc. in Agricultural Economics**, please refer to Natural Resource Sciences.

## Agricultural Economics Admission Requirements and Application Procedures

### Admission Requirements

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.

When an applicant does not have sufficient background in economics for admission to the M.Sc., they may be admitted to a Qualifying Year program of undergraduate courses. To enter the M.Sc. in Agricultural Economics from the Qualifying Year program, a student must earn a GPA of at least a 3.2 in the approved program. In all cases, after completion of a Qualifying Year, an applicant interested in commencing the M.Sc. in Agricultural Economics must apply for admission by the posted deadline.

Details on the M.Sc. are available from Master of Science (M.Sc.) Agricultural Economics (Thesis) (45 credits) (p. 108).

### Financial Aid

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences (AES) benefit from diverse funding sources throughout their studies at McGill University. Financial support may come from a combination of guaranteed funding, prospective funding, and employment salary.

Upon admission to a **thesis-based program** in the Department of Agricultural Economics, a student will be offered a **funding package** which will include a certain amount of guaranteed funding and may include additional prospective funding. The proposed funding arrangement will be outlined in a departmental funding letter addressed to the student, in supplement to the offer of admission from the University.

Students admitted to **non-thesis** graduate programs in the Department of Agricultural Economics are responsible for procuring funding (e.g., scholarship or personal funds) to cover their tuition, fees, and living expenses for the duration of their program. Students should give serious consideration to financial planning before submitting an application. You can find tuition and fee information on McGill's Student Accounts Graduate Fee Calculator or you may contact the Graduate Program Coordinator for your program of interest. Applicants may wish to consult the Fund your Studies web page for financial aid or external scholarship possibilities.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a



recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement
- The GRE—not required, but highly recommended

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Agricultural Economics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Location

Department of Agricultural Economics  
Macdonald Campus  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)

# Animal Science

## About Animal Science

The Department of Animal Science provides exciting challenges to graduate students in the areas of:

- Animal Breeding and Genetics;
- Animal Models for Human Medical Applications;
- Dairy Cattle Welfare;
- Epigenetic Modelling;
- Food Safety;
- Genome Editing (CRISPR tools);
- Large-Data Analyses;
- Metabolomics;

- Reproductive Physiology; and
- Ruminant and Non-Ruminant Nutrition and Metabolism

as they relate not only to livestock production, but also lead 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* (Lactanet) 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.

## Animal Science Admission Requirements and Application Procedures

### 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 (CGPA) of 3.0/4.0 (second class-upper division) or a grade point average (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.

#### M.Sc. (Applied)

All candidates are required to have a B.Sc. degree or equivalent.

#### Ph.D.

Candidates are normally required to have an M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program.

### Qualifying Students

Some applicants whose academic degrees and Academic 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 Year 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 Year 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 and can only be recommended at the discretion of the Department. **Successful completion of a Qualifying Year program does not guarantee admission to a degree program.**

### Financial Aid

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences benefit from diverse funding sources throughout their studies at McGill University. Financial

support may come from a combination of guaranteed funding, prospective funding, and employment salary.

Upon admission to a thesis-based program in the Department of Animal Science, a student will be offered a **funding package** which will include a certain amount of guaranteed funding and may include additional prospective funding. The proposed funding arrangement will be outlined in a departmental funding letter addressed to the student, in supplement to the offer of admission from the University.

Students admitted to **non-thesis** programs in the Department of Animal Science are responsible for procuring funding (e.g., scholarship or personal funds) to cover their tuition, fees, and living expenses for the duration of their program. Students should give serious consideration to financial planning before submitting an application. You can find tuition and fee information on McGill's Student Accounts Graduate Fee Calculator or you may contact the Graduate Program Coordinator for your program of interest. Applicants may wish to consult the Fund your studies web page for financial aid or external scholarship possibilities.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance to all programs depends on a staff member agreeing to serve as the student's supervisor.
- The GRE is not required, but highly recommended.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Animal Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Animal Science (Non-Thesis) (M.Sc.A.) (45 credits) (p. 88)
- Animal Science (Non-Thesis): Sustainable Agriculture (M.Sc.A.) (45 credits) (p. 88)
- Animal Science (Ph.D.) (p. 89)
- Animal Science (Thesis) (M.Sc.) (45 credits) (p. 88)
- Animal Science: Bioinformatics (Ph.D.) (p. 89)

## Program Overview

### Master of Science (M.Sc.) Animal Science (Thesis)

Two one-semester courses and three 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. Entrance to this program is highly competitive, requiring an excellent B.Sc. and letters of reference. Graduates of this program are well prepared for careers in the animal industry, the pharmaceutical sector, and many varied fields in biotechnology.

### Master of Science, Applied (M.Sc.A.) Animal Science (Non-Thesis)

The Applied Master's program must be taken with the Sustainable Agriculture concentration. Please see the respective program description for the Sustainable Agriculture option.

### 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 depends 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 Admissions Committee.

### 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 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.

## Location

Department of Animal Science  
Macdonald Campus  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [mcgill.ca/animal](http://mcgill.ca/animal)

## Animal Science (Thesis) (M.Sc.) (45 credits)

**Offered by:** Animal Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The MSc in Animal Science is a 45-credit, research, thesis- based program. Research can be in any relevant area of animal science under the supervision of an appropriate departmental academic staff member. The program provides a solid background in an area of animal science, critical thinking, leadership and science communication.

The program typically takes 2 years to complete.

### Thesis Courses (36 credits)

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| ANSC 680 | M.Sc. Thesis 1. | 9       |
| ANSC 681 | M.Sc. Thesis 2. | 9       |
| ANSC 682 | M.Sc. Thesis 3. | 9       |
| ANSC 683 | M.Sc. Thesis 4. | 9       |

### Required Courses (9 credits)

6 credits of coursework at the 500 level or higher approved by the student's advisory committee, and three 1-credit seminars.

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| ANSC 695 | MSc General Topic Seminar.     | 1       |
| ANSC 696 | MSc Research Proposal Seminar. | 1       |
| ANSC 697 | MSc Research Results Seminar.  | 1       |

Depending on the needs and competencies of the student, additional coursework may be assigned by the supervisory committee.

## Animal Science (Non-Thesis) (M.Sc.A.) (45 credits)

**Offered by:** Animal Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

### Program Description

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)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| ANSC 643 | Project 1. | 3       |
| ANSC 644 | Project 2. | 3       |
| ANSC 645 | Project 3. | 3       |
| ANSC 646 | Project 4. | 3       |
| ANSC 647 | Project 5. | 3       |

## Complementary Courses (30 credits)

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).

15-30 credits from the following:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| AEMA 610 | Statistical Methods 2.                    | 3       |
| ANSC 530 | Experimental Techniques in Nutrition.     | 3       |
| ANSC 551 | Carbohydrate and Lipid Metabolism.        | 3       |
| ANSC 552 | Protein Metabolism and Nutrition.         | 3       |
| ANSC 560 | Biology of Lactation.                     | 3       |
| ANSC 600 | Advanced Eukaryotic Cells and Viruses.    | 3       |
| ANSC 604 | Advanced Animal Biotechnology.            | 3       |
| ANSC 608 | Population Genetics.                      | 3       |
| ANSC 636 | Analysis - Animal Breeding Research Data. | 3       |
| ANSC 691 | Special Topic: Animal Sciences.           | 3       |
| ANSC 692 | Topic in Animal Sciences 1.               | 3       |

## Animal Science (Non-Thesis): Sustainable Agriculture (M.Sc.A.) (45 credits)

**Offered by:** Animal Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science, Applied

**Program credit weight:** 45

### Program Description

Climate change and rising human population have increased the need for sustainable agricultural practices. The Sustainable Agriculture option is taken with a M.Sc. Applied (Non-Thesis) program, and designed for students who wish to supplement their basic degree with graduate studies in animal science, with a specific focus on sustainability in agriculture. Students will be exposed to different approaches to improve the sustainability of agricultural systems through specialized coursework and a research project. The program aims to provide graduate training in applied areas of animal production with a view toward integrating technology and management in sustainable animal production with allied areas of agricultural resource utilization.

## Research Project (15 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| ANSC 643 | Project 1. | 3       |
| ANSC 644 | Project 2. | 3       |
| ANSC 645 | Project 3. | 3       |
| ANSC 646 | Project 4. | 3       |
| ANSC 647 | Project 5. | 3       |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| ANSC 555 | The Use and Welfare of Animals.                       | 3       |
| BREE 533 | Water Quality Management.                             | 3       |
| IGFS 611 | Advanced Issues on Development, Food and Agriculture. | 3       |
| PLNT 602 | Advances in Agronomy.                                 | 3       |

## Complementary Courses (18 credits)

0-6 credits of sufficient 500-, or 600-level courses (with Adviser's approval) to bring the total credits to 45.

3 credits from the following list:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| AEMA 610 | Statistical Methods 2.             | 3       |
| AEMA 611 | Experimental Designs 1.            | 3       |
| AEMA 614 | Temporal and Spatial Statistics 1. | 3       |

9-15 credits from the following list:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| ANSC 530 | Experimental Techniques in Nutrition. | 3       |
| ANSC 551 | Carbohydrate and Lipid Metabolism.    | 3       |
| ANSC 552 | Protein Metabolism and Nutrition.     | 3       |
| ANSC 560 | Biology of Lactation.                 | 3       |
| ANSC 604 | Advanced Animal Biotechnology.        | 3       |
| ANSC 611 | Advanced Reproductive Biology.        | 3       |
| FDSC 545 | Advances in Food Microbiology.        | 3       |
| PLNT 635 | Advanced Plant Breeding.              | 3       |
| PLNT 662 | Advances in Plant Biotechnology.      | 3       |

## Animal Science (Ph.D.)

**Offered by:** Animal Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Two seminar courses at the 500, 600, or 700 level.

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| ANSC 701 | Doctoral Comprehensive Examination. | 0       |

## Animal Science: Bioinformatics (Ph.D.)

**Offered by:** Animal Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (5 credits)

Expand allContract all

| Course     | Title                               | Credits |
|------------|-------------------------------------|---------|
| ANSC 701   | Doctoral Comprehensive Examination. | 0       |
| ANSC 797   | Animal Science Seminar 3.           | 1       |
| ANSC 798   | Animal Science Seminar 4.           | 1       |
| COMP 616D1 | Bioinformatics Seminar.             | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.             | 1.5     |



## Complementary Courses (6 credits)

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.

Two courses chosen from the following:

Expand all Contract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

## Bioresource Engineering

### About Bioresource Engineering

The Department offers M.Sc. (Thesis), M.Sc.(Non-Thesis), M.Sc. (Applied), and Ph.D. research programs in various areas of bioresource engineering including:

- **Bio-environmental engineering**
  - ecological engineering;
  - energy, water, and environment engineering;
  - hydrology and water engineering and management;
  - soil and water ecology engineering; and
  - water resource and environmental systems engineering.
- **Bio-production engineering**
  - biomass production engineering;
  - irrigation and drainage engineering;
  - precision agriculture and sensor systems engineering; and
  - smart production systems engineering.
- **Bio-process engineering**
  - bio-inspired multifunctional metamaterials and meta-food and structures engineering;
  - bioprocess engineering;
  - food process engineering;
  - food quality, safety, and security engineering; and
  - post-harvest technologies engineering.

The Department has well-equipped laboratories and a full-scale design and fabrication shop for conducting research in all these areas.

The interdisciplinary nature of bioresource engineering often requires graduate students to collaborate with, or attend courses given by, other departments across both the Macdonald and Downtown campuses of McGill University.

## Admission Requirements and Application Procedures

### Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply. Candidates should indicate in some detail their fields of special interest when applying for admission. An equivalent cumulative grade point average (CGPA) of 3.0/4.0 (second class-upper division) or a grade point average (GPA) of 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 the academic unit considers to be preparatory to the graduate program. Professional experience gained after completing an undergraduate degree is an additional asset.

**Note:** Candidates for the M.Sc. (Non-Thesis) program in Integrated Water Resources Management must hold a Bachelor's degree, but it does not need to be an engineering degree. Non-engineering students with a demonstrated interest in water resources management are encouraged to apply. Related disciplines could include, for example, geography, international development studies, sociology, anthropology, mathematics, environmental studies, biology, natural resources management, and engineering, among others.

**Note:** Candidates for the M.Sc.A. program must meet the qualification of a professional engineer in a Canadian professional engineering association, such as the *Ordre des ingénieurs du Québec (OIQ)*, either before or during their M.Sc.A. program.

**Note:** Candidates for the M.Sc.A. program in Environmental Engineering shall have completed an undergraduate degree in engineering.

**Note:** Candidates for the M.Sc.A. in Integrated Food and Bioprocessing shall have graduated with a Bachelor of Engineering, Bachelor of Science in Engineering or a Bachelor of Technology, and possess a strong knowledge in the following core engineering areas: fluid mechanics, heat and/or mass transfer, thermodynamics, and engineering mathematics (including statistics).

### Qualifying Students

Some applicants whose academic degrees and Academic Standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the selected subject may be admitted to a Qualifying Year 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 Year 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 and can only be recommended at the discretion of the Department. **Successful completion of a Qualifying Year program does not guarantee admission to a degree program.**

### Financial Aid

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences (AES) benefit from diverse funding sources throughout their studies at McGill University. Financial support may come from a combination of guaranteed funding, prospective funding (e.g., supplemental funding, scholarships or fellowships), and employment salary.

Upon admission to a thesis-based program in the Department of Bioresource Engineering, a student will be offered a **funding package** that includes a guaranteed amount and may include additional prospective funding. The proposed funding arrangement will be outlined in a funding letter addressed to the student, in supplement to the offer of admission from the University.

Students admitted to **non-thesis** graduate programs in the Department of Bioresource Engineering are responsible for procuring funding (e.g., scholarship or personal funds) to cover their tuition, fees, and living expenses for the duration of their program. Students should give serious consideration to financial planning before applying. #You can find tuition and fee information on McGill's Student Accounts



Graduate Fee Calculator or you may contact the Graduate Program Coordinator for your program of interest. Applicants may wish to consult the Fund your studies web page for financial aid or external scholarship possibilities.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance to any thesis research program depends on an academic staff member agreeing to serve as the student's primary supervisor.
- International students are strongly encouraged to secure funding from their home country or international agencies.
- The GRE is not required, but recommended.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Bioresource Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### Available Programs

- Bioresource Engineering (Non-Thesis) (M.Sc.A.) (45 credits) (p. 93)
- Bioresource Engineering (Non-Thesis): Environment (M.Sc.A.) (45 credits) (p. 94)
- Bioresource Engineering (Non-Thesis): Environmental Engineering (M.Sc.A.) (45 credits) (p. 94)
- Bioresource Engineering (Non-Thesis): Integrated Food and Bioprocessing (M.Sc.A.) (45 credits) (p. 95)
- Bioresource Engineering (Non-Thesis): Integrated Water Resources Management (M.Sc.) (45 credits) (p. 93)
- Bioresource Engineering (Ph.D.) (p. 96)
- Bioresource Engineering (Thesis) (M.Sc.) (45 credits) (p. 92)

- Bioresource Engineering (Thesis): Environment (M.Sc.) (45 credits) (p. 96)
- Bioresource Engineering: Environment (Ph.D.) (p. 92)

## Program Overview

### Bioresource Engineering (Thesis) (M.Sc.)

This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research. The research areas include plant and animal environments; ecological engineering (ecosystem modelling, design, management, and remediation); water resources management (hydrology, irrigation, drainage, water quality); agricultural machinery, mechatronics, and robotics; food engineering and bio-processing; post-harvest technology; waste management and protection of the environment; bio-energy; and artificial intelligence.

### Master of Science (M.Sc.) Bioresource Engineering (Non-Thesis): Integrated Water Resources Management

Integrated Water Resource Management is a one-year program that provides an essential approach to the 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.

### Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis)

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) 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)*. They must maintain contact with their academic advisor in the Department of Bioresource Engineering before registration to clarify objectives, investigate project possibilities, and plan a program of study.

### Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Environmental Engineering

The Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspective, and awareness of environmental issues through various technical and non-technical courses offered by collaborating departments and faculties at the University.

The program's primary objective is to train environmental professionals at the advanced level. Thus, it is 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.

### Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Integrated Food and Bioprocessing

This graduate program will provide students with tools to understand how food and agricultural production interact to better manage agricultural, food, and biomass systems for the adequate supply of wholesome food, feed, fibre, biofuel, and other bio-based material. This course-based program will present students with the skills needed to assess existing production, delivery, and quality management systems; introduce improvements; and communicate effectively with policy makers and with colleagues in multi-disciplinary teams.

The goals of this program are to provide up-to-date, world-class knowledge on techniques for adequate process design and management of biomass production strategies for the delivery of quality food, natural fibre, biochemicals, biomaterials, and biofuels in a sustainable and environment-friendly way that benefits all. Training activities will include laboratory research and/or industrial/government internships.

### Doctor of Philosophy (Ph.D.) Bioresource Engineering

This is a research-based degree and is offered in the following areas: plant and animal environments; ecological engineering (ecosystem modelling, design, management, and remediation); water resources management (hydrology, irrigation, drainage, water quality); agricultural machinery, mechatronics and robotics; food engineering and bio-processing; post-harvest technology; waste management and protection of the environment; bio-energy; and artificial intelligence.

## Location

Department of Bioresource Engineering  
Macdonald Campus  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7838

Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)

Website: [mcgill.ca/bioeng](http://mcgill.ca/bioeng)

## Bioresource Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

This option for the M.Sc. degree is oriented toward individuals who intend to develop a career in bioresource engineering research.

## Required Courses (36 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| BREE 651 | Departmental Seminar M.Sc. 1. | 1       |
| BREE 652 | Departmental Seminar M.Sc. 2. | 1       |
| BREE 699 | Scientific Publication.       | 3       |

## Thesis Courses

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| BREE 691 | M.Sc. Thesis 1. | 4       |
| BREE 692 | M.Sc. Thesis 2. | 4       |
| BREE 693 | M.Sc. Thesis 3. | 4       |
| BREE 694 | M.Sc. Thesis 4. | 4       |
| BREE 695 | M.Sc. Thesis 5. | 4       |
| BREE 696 | M.Sc. Thesis 6. | 4       |
| BREE 697 | M.Sc. Thesis 7. | 4       |
| BREE 698 | M.Sc. Thesis 8. | 3       |

## 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.

## Bioresource Engineering: Environment (Ph.D.)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

\*\*This program is currently not offered.\*\*

The Ph.D. in Bioresource Engineering Environment is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (3 credits)

Note: BREE 701 Ph.D. Comprehensive Examination., 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.

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| BREE 701 | Ph.D. Comprehensive Examination.                           | 0       |
| BREE 751 | Departmental Seminar Ph.D. 1.                              | 0       |
| BREE 752 | Departmental Seminar Ph.D. 2.                              | 0       |
| BREE 753 | Departmental Seminar Ph.D. 3.                              | 0       |
| BREE 754 | Departmental Seminar Ph.D. 4.                              | 0       |
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |

## Complementary Courses (6 credits)

3-6 credits from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Bioresource Engineering (Non-Thesis): Integrated Water Resources Management (M.Sc.) (45 credits)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science (M.Sc.) in Bioresource Engineering: Non-Thesis - Integrated Water Resources Management program is a one-year professional course-based program, including an internship, which is a central feature of the program. The program provides an essential approach to the sustainable management of our natural watershed resources, and focuses on the biophysical, environmental, legal, institutional, and socio-economic aspects of water use and management, in an integrated context.

## Research Project (6 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| BREE 631 | Integrated Water Resources Management Project. | 6       |

## Required Courses (27 credits)

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| BREE 503 | Water: Society, Law and Policy.                        | 3       |
| BREE 510 | Watershed Systems Management.                          | 3       |
| BREE 630 | Integrated Water Resources Management Internship.      | 13      |
| BREE 651 | Departmental Seminar M.Sc. 1.                          | 1       |
| BREE 652 | Departmental Seminar M.Sc. 2.                          | 1       |
| BREE 655 | Integrated Water Resources Management Research Visits. | 3       |
| NRSC 515 | Water and Health                                       | 3       |

## Elective Courses (12 credits)

12 credits, at the 500 level or higher, of any relevant course(s) chosen in consultation with the Program Director.

## Bioresource Engineering (Non-Thesis) (M.Sc.A.) (45 credits)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

### Program Description

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)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| BREE 671 | Project 1. | 6       |
| BREE 672 | Project 2. | 6       |

## Required Courses (2 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| BREE 651 | Departmental Seminar M.Sc. 1. | 1       |
| BREE 652 | Departmental Seminar M.Sc. 2. | 1       |

## 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.

<sup>1</sup> 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.

## Bioresource Engineering (Non-Thesis): Environment (M.Sc.A.) (45 credits)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The M.Sc.(Applied) in Bioresource Engineering; Non-Thesis - Environment is a program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

Candidates must meet the qualifications of a professional engineer either before or during their M.Sc.(Applied) program.

## Research Project (12 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| BREE 671 | Project 1. | 6       |
| BREE 672 | Project 2. | 6       |

## Required Courses (5 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| BREE 651 | Departmental Seminar M.Sc. 1. | 1       |
| BREE 652 | Departmental Seminar M.Sc. 2. | 1       |

|          |                                                            |   |
|----------|------------------------------------------------------------|---|
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3 |
|----------|------------------------------------------------------------|---|

## Complementary Courses (28 credits)

3-6 credits from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Options Committee.

22 additional credits of 500-level or higher chosen in consultation with the academic adviser.

## Bioresource Engineering (Non-Thesis): Environmental Engineering (M.Sc.A.) (45 credits)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

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)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| BREE 671 | Project 1. <sup>1</sup> | 6       |
| BREE 672 | Project 2.              | 6       |

<sup>1</sup> BREE 671 Project 1. may also be taken as part of this requirement.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BREE 533 | Water Quality Management.          | 3       |
| CHEE 591 | Environmental Bioremediation.      | 3       |
| CIVE 615 | Environmental Engineering Seminar. | 3       |

## Complementary Courses (19 credits)

### Data Analysis Course

3 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| AEMA 611 | Experimental Designs 1.      | 3       |
| CIVE 555 | Environmental Data Analysis. | 3       |
| PSYC 650 | Advanced Statistics 1.       | 3       |

### Toxicology Course

3 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| OCCH 612 | Principles of Toxicology. | 3       |
| OCCH 616 | Occupational Hygiene.     | 3       |

### Water Pollution Engineering Course

4 credits from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| CIVE 651 | Theory: Water / Wastewater Treatment.          | 4       |
| CIVE 652 | Bioprocesses for Wastewater Resource Recovery. | 4       |
| CIVE 660 | Chemical and Physical Treatment of Waters.     | 4       |

### Air Pollution Engineering Course

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEE 592 | Industrial Air Pollution Control. | 3       |
| MECH 534 | Air Pollution Engineering.        | 3       |

or an approved 500-, 600-, or 700-level alternative course.

### Environmental Impact Course

3 credits from the following:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| GEOG 601 | Advanced Environmental Systems Modelling. | 3       |

or an approved 500-, 600-, or 700-level alternative course.

### Environmental Policy Course

3 credits from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| URBP 506 | Environmental Policy and Planning. | 3       |

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 Bieler School of Environment.

## Bioresource Engineering (Non-Thesis): Integrated Food and Bioprocessing (M.Sc.A.) (45 credits)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

### Program Description

The Master of Science(Applied) [M.Sc.(A.)] in Bioresource Engineering; Non-Thesis - Integrated Food and Bioprocessing program provides the tools to understand how food and agricultural production interact to better manage agricultural, food, and biomass systems for the adequate supply of wholesome food, feed, fiber, biofuel, and any other bio-based material. The program focuses on the skills needed to assess existing production, delivery, and quality management systems; introduce improvements; and communicate effectively with policymakers and colleagues in multi-disciplinary teams. The program provides up-to-date, world-class knowledge on techniques for adequate process design and management of biomass production strategies for the delivery of quality food, natural fiber, biochemicals, biomaterials, and biofuels, in a sustainable and environment-friendly way that benefits all. Training activities will include laboratory research and/or industrial/government internships.

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| BREE 600 | Project/Internship Proposal.  | 1       |
| BREE 651 | Departmental Seminar M.Sc. 1. | 1       |
| BREE 652 | Departmental Seminar M.Sc. 2. | 1       |
| BREE 699 | Scientific Publication.       | 3       |



## Complementary Courses (39 credits)

9 credits of any relevant graduate-level course chosen in consultation with the Program Director.

Minimum of 3 credits of graduate-level Statistics in any department

Minimum of 9 credits from courses selected from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| BREE 518 | Ecological Engineering.                        | 3       |
| BREE 519 | Advanced Food Engineering.                     | 3       |
| BREE 520 | Food, Fibre and Fuel Elements.                 | 3       |
| BREE 530 | Fermentation Engineering.                      | 3       |
| BREE 531 | Post-Harvest Drying.                           | 3       |
| BREE 532 | Post-Harvest Storage.                          | 3       |
| BREE 535 | Food Safety Engineering.                       | 3       |
| BREE 603 | Advanced Properties: Food and Plant Materials. | 3       |

Minimum of 12 credits selected from the following:

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| BREE 601 | Integrated Food and Bioprocessing Internship 1. | 6       |
| BREE 602 | Integrated Food and Bioprocessing Internship 2. | 6       |
| BREE 671 | Project 1.                                      | 6       |
| BREE 672 | Project 2.                                      | 6       |

Minimum of 3 credits selected from the following:

Expand allContract all

| Course   | Title                  | Credits |
|----------|------------------------|---------|
| AGRI 510 | Professional Practice. | 3       |

Minimum of 3 credits selected from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| BTEC 502 | Biotechnology Ethics and Society.     | 3       |
| FDSC 519 | Advanced Food Processing.             | 3       |
| FDSC 538 | Food Science in Perspective.          | 3       |
| GEOG 515 | Contemporary Dilemmas of Development. | 3       |
| NUTR 501 | Nutrition in the Majority World.      | 3       |

## Bioresource Engineering (Ph.D.)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| BREE 701 | Ph.D. Comprehensive Examination. | 0       |
| BREE 751 | Departmental Seminar Ph.D. 1.    | 0       |
| BREE 752 | Departmental Seminar Ph.D. 2.    | 0       |
| BREE 753 | Departmental Seminar Ph.D. 3.    | 0       |
| BREE 754 | Departmental Seminar Ph.D. 4.    | 0       |

## 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.

## Bioresource Engineering (Thesis): Environment (M.Sc.) (45 credits)

**Offered by:** Bioresource Engineering (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The M.Sc. in Bioresource Engineering; (Thesis) Environment is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical.) interact to define environment and sustainability issues.

## Required Courses (39 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| BREE 651 | Departmental Seminar M.Sc. 1.                              | 1       |
| BREE 652 | Departmental Seminar M.Sc. 2.                              | 1       |
| BREE 699 | Scientific Publication.                                    | 3       |
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |

## Thesis Courses

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| BREE 691 | M.Sc. Thesis 1. | 4       |
| BREE 692 | M.Sc. Thesis 2. | 4       |
| BREE 693 | M.Sc. Thesis 3. | 4       |
| BREE 694 | M.Sc. Thesis 4. | 4       |
| BREE 695 | M.Sc. Thesis 5. | 4       |
| BREE 696 | M.Sc. Thesis 6. | 4       |
| BREE 697 | M.Sc. Thesis 7. | 4       |
| BREE 698 | M.Sc. Thesis 8. | 3       |

## Complementary Courses (6 credits)

3-6 credits from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Biotechnology About Biotechnology

The M.Sc.A. (Non-Thesis) degree in Biotechnology offers a course-based curriculum with practical training in laboratory courses and research project internships. This program is offered through the Institute of Parasitology. The Institute is housed on Macdonald Campus of McGill University in beautiful Sainte-Anne-de-Bellevue about 30 kilometres from the McGill University Downtown Campus.

Graduates typically enter the biotechnology sector in research, management, sales, or government positions.

## Biotechnology Admission Requirements and Application Procedures

### Admission Requirements

Candidates for the M.Sc.(Applied) in Biotechnology must possess a bachelor's degree in biological sciences or equivalent with a minimum cumulative grade point average (CGPA) of 3.2/4.0, as well as all prerequisites or their 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.

### Financial Aid

Financial support is not available for this applied program. It is suggested that students give serious consideration to their financial planning before submitting an application. Students should be self-financed or self-funded to ensure they can complete this program financially worry free. Academic units cannot guarantee financial support via teaching assistantships.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- An English Proficiency test is required for most international applicants.
- The GRE (optional).
- Other Supporting Documents – Other documents may be required for the admission process. Please consult the Biotechnology website at [mcgill.ca/biotechgradprog/admissions](http://mcgill.ca/biotechgradprog/admissions) for full details of the admission process.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Bioresource Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Biotechnology (Gr. Cert.) (16 credits) (p. 98)
- Biotechnology (Non-Thesis) (M.Sc.A.) (45 credits) (p. 98)

## Biotechnology Programs

Candidates for the **M.Sc.A. in Biotechnology** 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 equip them to pursue further graduate studies in biomedicine, agriculture, or the environment. Students can choose from a wide range of complementary courses given throughout McGill campuses to "design" their own program toward a future career choice. The program provides in-house training in cell and molecular biology, and protein biochemistry, with strong focus on the molecular/biochemical sciences. Concurrently, it provides students with insight into the management and/or business aspects of the biotechnology industry.

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/intellectual property management and investment banking analysis.

Candidates for the **Graduate Certificate in Biotechnology** 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.

## Location

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Website: [mcgill.ca/biotechgradprog](http://mcgill.ca/biotechgradprog)

## Biotechnology (Non-Thesis) (M.Sc.A.) (45 credits)

**Offered by:** Parasitology (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

The M.Sc. (Applied) in Biotechnology; Non-Thesis provides training in cell and molecular biology, and protein biochemistry, with a strong focus on the molecular/biochemical sciences. Concurrently, it provides teaching in management and the business aspect of biotechnology. The program also includes practical training in a laboratory and internships.

## Research Project (16 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| BTEC 622 | Biotechnology Research Project 1. | 2       |
| BTEC 623 | Biotechnology Research Project 2. | 6       |
| BTEC 624 | Biotechnology Research Project 3. | 6       |
| BTEC 625 | Biotechnology Research Project 4. | 2       |

## Required Courses (20 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| BIOT 505 | Selected Topics in Biotechnology. | 3       |
| BTEC 501 | Bioinformatics.                   | 3       |
| BTEC 619 | Biotechnology Laboratory 2.       | 4       |
| BTEC 620 | Biotechnology Laboratory 1.       | 4       |
| BTEC 621 | Biotechnology Management.         | 3       |
| HGEN 660 | Genetics and Bioethics.           | 3       |

## Complementary Courses (9 credits)

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.

## Biotechnology (Gr. Cert.) (16 credits)

**Offered by:** Parasitology (Faculty of Agricultural and Environmental Sciences)

**Program credit weight:** 16

## Program Description

The Graduate Certificate in Biotechnology focuses on biotechnology and the latest molecular biology techniques.

## Required Courses (10 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| BIOT 505 | Selected Topics in Biotechnology. | 3       |
| BTEC 620 | Biotechnology Laboratory 1.       | 4       |
| BTEC 621 | Biotechnology Management.         | 3       |

## Complementary Courses (6 credits)

Two courses chosen from the following:

### General Topics

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| BINF 511 | Bioinformatics for Genomics.            | 3       |
| BIOL 524 | Topics in Molecular Biology.            | 3       |
| BIOL 568 | Topics on the Human Genome.             | 3       |
| BTEC 501 | Bioinformatics.                         | 3       |
| BTEC 502 | Biotechnology Ethics and Society.       | 3       |
| BTEC 535 | Functional Genomics in Model Organisms. | 3       |
| BTEC 555 | Structural Bioinformatics.              | 3       |
| EXMD 602 | Techniques in Molecular Genetics.       | 3       |

### Health

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EXMD 610 | Molecular Methods in Medical Research. | 3       |
| PARA 635 | Cell Biology and Infection.            | 3       |
| PHGY 518 | Artificial Cells.                      | 3       |

### Environment and Food

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| BREE 530 | Fermentation Engineering. | 3       |

## Food Science and Agricultural Chemistry

### About Food Science and Agricultural Chemistry

The Department of Food Science and Agricultural Chemistry offers M.Sc. (thesis and non-thesis) and Ph.D. programs. These programs provide training in evolving interdisciplinary areas of:

- food quality;
- food safety/food microbiology;
- food chemistry;
- food biotechnology;
- food packaging;
- functional ingredients;
- bimolecular spectroscopy;
- food processing;
- enzymology;
- nano sciences;
- thermal generation of aromas and toxicants;
- marine biochemistry; and
- food chemical toxicants.

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.

## Food Science and Agricultural Chemistry Admission Requirements and Application Procedures

### Admission Requirements

Applicants to the M.Sc. programs (thesis or non-thesis) 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 3.4/4.0 (second class-upper division). Applicants to the Ph.D. program must hold an M.Sc. degree in Food Science or related areas with a minimum CGPA of 3.4 in their M.Sc. and a minimum GPA of 3.6 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.

### Qualifying Students

Some applicants whose academic degrees and Academic Standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the selected subject may be admitted to a Qualifying Year 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 Year will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but are not candidates for a degree. Only one Qualifying Year is permitted and can only be recommended at the discretion of the Department. **Successful completion of a Qualifying Year program does not guarantee admission to a degree program.**

### Financial Aid

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences (AES) benefit from diverse funding sources throughout their studies at McGill University. Financial support may come from a combination of guaranteed funding, prospective funding, and employment salary.

Upon admission to a **thesis-based program** in the Department of Food Science and Agricultural Chemistry, a student will be offered a **funding package** which will include a certain amount of guaranteed funding and may include additional prospective funding. The proposed funding arrangement will be outlined in a departmental funding letter addressed to the student, in supplement to the offer of admission from the University.

Students admitted to **non-thesis** graduate programs in the Department of Food Science and Agricultural Chemistry are responsible for procuring funding (e.g., scholarship or personal funds) to cover their tuition, fees, and living expenses for the duration of their program. Students should give serious consideration to financial planning before submitting an application. You can find tuition and fee information on McGill's Student Accounts Graduate Fee Calculator or you may contact the Graduate Program Coordinator for your program of interest. Applicants may wish to consult the Fund your studies web page for financial aid or external scholarship possibilities.



## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance to all thesis research programs depends on a staff member agreeing to serve as the student's supervisor.
- International students are strongly encouraged to secure funding from their home country or international agencies.
- The GRE is not required, but highly recommended.
- An interview with the applicant may be requested by the Department of Food Science and Agricultural Chemistry in order to assist in the evaluation of the application.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Food Science and Agricultural Chemistry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Food Science & Agricultural Chemistry: Food Safety (Non-Thesis) (M.Sc.) (45 credits) (p. 101)
- Food Science and Agricultural Chemistry (Non-Thesis) (M.Sc.) (45 credits) (p. 101)
- Food Science and Agricultural Chemistry (Ph.D.) (p. 102)
- Food Science and Agricultural Chemistry (Thesis) (M.Sc.) (45 credits) (p. 100)

## Program Overview

The **Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Non-Thesis)** offers advanced food science courses in a broad range of areas. Applicants with a strong background in food science, microbiology, chemistry/biochemistry, processing, or engineering are encouraged to apply. Students must complete a total of 45 credits including 10 graduate-level courses, the graduate seminar, and the research project. The program may be completed in three to four academic terms (12 to 16 months). Entry is possible from other disciplines; however, students may be required to complete selected undergraduate courses as determined by the Department at the time of admission in order to orient themselves to food science. Subsequent career paths include work within the food industry and government agencies.

The **Master of Science (M.Sc.) Food Science and Agricultural Chemistry (Thesis)** program is a research-based degree in various

areas related to food science for candidates entering the M.Sc. program without restrictions (i.e., not requiring a Qualifying term/year). Entry into the M.Sc. (Thesis) program also hinges on the availability of supervisory staff and financing. Therefore, it is advisable that the applicant for the M.Sc. (Thesis) degree select the M.Sc. (Non-Thesis) as a second choice in the application form, to enhance the possibility of entry into the Food Science graduate program. Subsequent career paths include work within the food industry, government agencies, and in research.

The **Doctor of Philosophy (Ph.D.) Food Science and Agricultural Chemistry** is suitable for students with an M.Sc. degree in food science or related areas who wish to become independent researchers and/or leaders in the field of food science. 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 performing well during their first year, they may be permitted to fast track to the Ph.D. degree. Entry into the Ph.D. graduate program hinges on the availability of supervisory staff and financing.

## Location

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## Food Science and Agricultural Chemistry (Thesis) (M.Sc.) (45 credits)

**Offered by:** Food Science&Agr.Chemistry (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

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)

Expand all Contract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| FDSC 690 | M.Sc. Literature Review. | 8       |
| FDSC 691 | M.Sc. Research Protocol. | 7       |
| FDSC 692 | M.Sc. Thesis.            | 15      |



## Required Courses (6 credits)

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| FDSC 695 | M.Sc. Graduate Seminar 1. | 3       |
| FDSC 696 | M.Sc. Graduate Seminar 2. | 3       |

## Complementary Courses (9 credits)

At least 9 credits, normally from 500- or 600-level departmental courses.

## Food Science and Agricultural Chemistry (Non-Thesis) (M.Sc.) (45 credits)

**Offered by:** Food Science&Agr.Chemistry (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

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 (12 credits)

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| FDSC 697 | M.Sc. Project Part 1. | 6       |
| FDSC 698 | M.Sc. Project Part 2. | 6       |

## Complementary Courses (18 credits)

3 credits chosen from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| FDSC 695 | M.Sc. Graduate Seminar 1. | 3       |
| FDSC 696 | M.Sc. Graduate Seminar 2. | 3       |

15 credits chosen from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| AGRI 510 | Professional Practice.         | 3       |
| FDSC 515 | Enzymology.                    | 3       |
| FDSC 516 | Flavour Chemistry.             | 3       |
| FDSC 519 | Advanced Food Processing.      | 3       |
| FDSC 520 | Biophysical Chemistry of Food. | 3       |

|          |                                           |   |
|----------|-------------------------------------------|---|
| FDSC 536 | Food Traceability.                        | 3 |
| FDSC 537 | Nutraceutical Chemistry.                  | 3 |
| FDSC 538 | Food Science in Perspective.              | 3 |
| FDSC 540 | Sensory Evaluation of Foods.              | 3 |
| FDSC 545 | Advances in Food Microbiology.            | 3 |
| FDSC 634 | Food Toxins and Toxicants.                | 3 |
| FDSC 651 | Principles of Food Analysis 2.            | 3 |
| FDSC 652 | Separation Techniques in Food Analysis 2. | 3 |

## Elective Courses (15 credits)

At the 500 level or higher, and chosen in consultation with the academic adviser.

## Food Science & Agricultural Chemistry: Food Safety (Non-Thesis) (M.Sc.) (45 credits)

**Offered by:** Food Science&Agr.Chemistry (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The program is intended to train graduate students as specialists in food safety with the expectation that graduates will be well prepared academically to take on the challenging food safety events and issues that emerge both in Canada and globally. The program will cover food safety through the entire food supply chain from food production through processing/manufacturing to the food consumer; the courses which make up the program reflect the food safety considerations at the different stages of the farm to table food supply chain.

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| FDSC 545 | Advances in Food Microbiology. | 3       |
| FDSC 624 | Current Food Safety Issues.    | 3       |
| FDSC 626 | Food Safety Risk Assessment.   | 3       |
| FDSC 634 | Food Toxins and Toxicants.     | 3       |

## Research Project (12 credits)

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| FDSC 697 | M.Sc. Project Part 1. | 6       |
| FDSC 698 | M.Sc. Project Part 2. | 6       |

## Complementary Courses (15 credits)

3 credits chosen from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| FDSC 695 | M.Sc. Graduate Seminar 1. | 3       |
| FDSC 696 | M.Sc. Graduate Seminar 2. | 3       |

12 credits chosen from the following:

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| AGRI 510 | Professional Practice.           | 3       |
| BREE 535 | Food Safety Engineering.         | 3       |
| FDSC 525 | Food Quality Assurance.          | 3       |
| FDSC 536 | Food Traceability.               | 3       |
| FDSC 555 | Comparative Food Law.            | 3       |
| NRSC 515 | Water and Health                 | 3       |
| NUTR 512 | Herbs, Foods and Phytochemicals. | 3       |
| OCCH 612 | Principles of Toxicology.        | 3       |

## Elective Courses (6 credits)

At the 500 level or higher, and selected in consultation with the academic adviser.

## Food Science and Agricultural Chemistry (Ph.D.)

**Offered by:** Food Science&Agr.Chemistry (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

Candidates will be judged principally on their research ability. Coursework will be arranged in consultation with the student's departmental graduate advisory committee.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## 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.

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| FDSC 700 | Comprehensive Preliminary Examination. | 0       |
| FDSC 725 | Advanced Topics in Food Science.       | 3       |

|          |                           |   |
|----------|---------------------------|---|
| FDSC 797 | Ph.D. Graduate Seminar 1. | 3 |
| FDSC 798 | Ph.D. Graduate Seminar 2. | 3 |

## Human Nutrition

### About Human Nutrition

In the School of Human Nutrition, cutting-edge nutrition research is conducted by tenure-track professors and six faculty lecturers in all areas recommended by North American Nutrition Societies. These areas include clinical, community, and international nutrition as well as molecular and cellular nutrition. Research at the School emphasizes the following domains:

- nutritional biochemistry and metabolism;
- nutrigenomics and lifestyle behaviours;
- global food security;
- fetal, perinatal, and childhood origins of health and disease;
- clinical and epidemiological studies addressing health outcomes in at-risk populations including Indigenous Peoples, mothers and children, and older adults; and
- nutritional management and development of novel nutritional approaches to optimize health during chronic diseases and for treatment during surgery and recovery from disease.

Research is conducted in our on-site research labs, the Centre for Indigenous Peoples' Nutrition and Environment (CINE), the McGill Institute for Global Food Security, the Clinical Nutrition Research Unit (CNRU), and the MUHC teaching hospitals. Students can conduct research or participate in clinical rotations in Ghana and field sites in Asia, Africa, Latin America, and the Caribbean.

## Human Nutrition Admission Requirements and Application Procedures

### Admission Requirements

#### M.Sc. Thesis and M.Sc. Applied (Project, Practicum, and Dietetics Credentialing)

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 a minimum cumulative grade point average (CGPA) in McGill University's credit equivalency of 3.3/4.0 (high second class-upper division) for the M.Sc. Thesis and M.Sc. Applied during their bachelor's degree program. Eligible candidates to the M.Sc. (Applied) program may select one of three options:

1. The project option;
2. The practicum option, which is reserved for those who have completed a dietetics internship and six months of work experience and are members of the ODNQ and wish to further develop their skills in a particular area of practice through an advanced internship;
3. The dietetics credentialing option, for those who wish to follow a program combining courses and internship, leading to licensure as a dietitian. This program has a specific entrance **CGPA requirement of 3.5/4.0** and French proficiency (minimum level B2) requirement.

## 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 a minimum cumulative grade point average (CGPA) in McGill University's credit equivalency of 3.3/4.0 (high second class-upper division) during their bachelor's and master's degree programs. Exceptional students may apply to transfer to the Ph.D. program after one year of study in the M.Sc. (Thesis) program.

## Qualifying Students

Some applicants whose degrees and Academic 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 3.3/4.0. The courses 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.**

## Financial Aid

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences (AES) benefit from diverse funding sources throughout their studies at McGill University. Financial support may come from a combination of guaranteed funding, prospective funding, and employment salary.

Upon admission to a **thesis-based program** in the School of Human Nutrition, a student will be offered a **funding package** which will include a certain amount of guaranteed funding and may include additional prospective funding. The proposed funding arrangement will be outlined in a departmental funding letter addressed to the student, in supplement to the offer of admission from the University.

Students admitted to **non-thesis** graduate programs in the School of Human Nutrition are responsible for procuring funding (e.g., scholarship or personal funds) to cover their tuition, fees, and living expenses for the duration of their program. Students should give serious consideration to financial planning before submitting an application. You can find tuition and fee information on McGill's Student Accounts Graduate Fee Calculator or you may contact the Graduate Program Coordinator for your program of interest. Applicants may wish to consult the Fund your Studies web page for financial aid or external scholarship possibilities.

## English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Final acceptance to the M.Sc. (Thesis) and Ph.D. programs depends on a faculty member agreeing to serve as the student's supervisor. A supervisor is not required for acceptance to the M.Sc. (Applied) program.
- Graduate Record Exam (GRE) – The GRE is required for all Ph.D. applicants to the School of Human Nutrition who are submitting non-Canadian or non-U.S. transcripts.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Human Nutrition and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late applications are considered only as time and space permit.

## Available Programs

- Human Nutrition (Non-Thesis): Dietetics Credentialing (M.Sc.A.) (83 credits) (p. 104)
- Human Nutrition (Non-Thesis): Practicum (M.Sc.A.) (45 credits) (p. 105)
- Human Nutrition (Non-Thesis): Project (M.Sc.A.) (45 credits) (p. 106)
- Human Nutrition (Ph.D.) (p. 106)
- Human Nutrition (Thesis) (M.Sc.) (45 credits) (p. 104)
- Registered Dietitian Credentialing (Gr. Dip.) (30 credits) (p. 106)

## Program Overview

### Master of Science (M.Sc.) Human Nutrition (Thesis)

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 advanced nutrition coursework and activities 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.

### Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Practicum and Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Project

The M.Sc. Applied program is a course-based master's program. It allows students to further develop knowledge and expertise in nutrition. Students are required to complete advanced Nutrition courses and

activities related to a research project or an advanced practicum (reserved for registered dietitians). Careers include managerial positions for practising dietitians, and careers in nutrition programs, government, and industry.

### Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Dietetics Credentialing

The M.Sc. Applied program in Dietetics Credentialing is a course-based master's program with a dietetics *Stage* (internship) included. At the end of the program, students are qualified to be licensed with one of the provincial regulatory bodies in Canada, as well as in other countries, and practise in the areas of clinical nutrition, community nutrition, and foodservice management; French competency is a requirement for the program and for the licensing with *l'Ordre des diététistes-nutritionnistes du Québec (ODNQ)*. The program is preceded by a Qualifying year, if necessary, to complete certain courses required for licensure. This is followed by three semesters of graduate-level courses and three semesters of Stage, which include a practice-based graduate project.

### 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 Canada and internationally.

### Graduate Diploma (Gr. Dip.) Registered Dietitian Credentialing

In the School of Human Nutrition at McGill, students pursuing a Ph.D. in human nutrition have the opportunity to apply to our Graduate Diploma in R.D. Credentialing, upon completion of the Ph.D. program and upon completion of the undergraduate courses required by *l'Ordre des diététistes-nutritionnistes du Québec (ODNQ)*. Additional preparatory courses for Stages (internships) are NUTR 603 Credentialing in Dietetics., NUTR 515 Dietetics French Examination., NUTR 607 Counselling in Professional Practice ., and NUTR 611 Graduate Professional Practice 1.. This Diploma consists of two semesters of Stage (internship) in clinical nutrition, community nutrition, and foodservice management. Upon completion of the Diploma, the recipient is eligible to register and practice as a Dietitian in Quebec (professional French is a requirement), as well as in other Canadian provinces and other countries.

## Location

School of Human Nutrition  
Macdonald Campus  
Macdonald-Stewart Building  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7838  
Email: gradstudies.macdonald@mcgill.ca  
Website: mcgill.ca/nutrition

## Human Nutrition (Thesis) (M.Sc.) (45 credits)

**Offered by:** Human Nutrition (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Human Nutrition focuses on advanced nutrition, statistics, and research methods. The program includes research activities related to the specific thesis topic chosen from a broad range of nutrition areas, under the primary supervision of one of the School's Faculty.

## Thesis Courses (33 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| NUTR 680 | Human Nutrition M.Sc. Thesis 1. | 7       |
| NUTR 681 | Human Nutrition M.Sc. Thesis 2. | 8       |
| NUTR 682 | Human Nutrition M.Sc. Thesis 3. | 9       |
| NUTR 683 | Human Nutrition M.Sc. Thesis 4. | 9       |

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUTR 695 | Human Nutrition Research Orientation. | 1       |
| NUTR 696 | Human Nutrition Seminar.              | 1       |
| NUTR 697 | MSc Final Presentation.               | 1       |

## Complementary Courses (9 credits)

3 credits in graduate-level statistics

3 credits in graduate-level research methods

3 credits in graduate-level courses (chosen in consultation with supervisory committee)

## Human Nutrition (Non-Thesis): Dietetics Credentialing (M.Sc.A.) (83 credits)

**Offered by:** Human Nutrition (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 83

## Program Description

The M.Sc.(Applied) in Human Nutrition; Non-Thesis – Dietetics Credentialing includes competency-based professional practice (Stage) experiences in clinical nutrition care, public health nutrition, food provision management and research. The program focuses on nutrition and food expertise, leadership, communication, management skills and critical thinking. This program is accredited by Accreditation Canada, and graduates apply to the *Ordre des diététistes-nutritionnistes du Québec (ODNQ)* following the "règlement sur les normes d'équivalence de diplôme et formation" application



procedures. Graduates from the program meet all the standards and requirements of this professional order (ODNQ) and are eligible to apply to any other regulatory body in any other province in Canada.

## Required Courses (77 credits)

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| IPEA 500 | Roles in Interprofessional Teams.                     | 0       |
| IPEA 501 | Communication in Interprofessional Teams.             | 0       |
| IPEA 502 | Partnership in Interprofessional Teams                | 0       |
| IPEA 503 | Managing Interprofessional Conflict.                  | 0       |
| NUTR 503 | Nutrition and Exercise.                               | 3       |
| NUTR 505 | Public Health Nutrition.                              | 3       |
| NUTR 511 | Nutrition and Behaviour.                              | 3       |
| NUTR 545 | Clinical Nutrition 2.                                 | 4       |
| NUTR 546 | Clinical Nutrition 3.                                 | 4       |
| NUTR 551 | Analysis of Nutrition Data.                           | 3       |
| NUTR 603 | Credentialing in Dietetics.                           | 3       |
| NUTR 606 | Human Nutrition Research Methods.                     | 3       |
| NUTR 607 | Counselling in Professional Practice .                | 3       |
| NUTR 611 | Graduate Professional Practice 1.                     | 2       |
| NUTR 612 | Graduate Professional Practice 2 Management.          | 8       |
| NUTR 613 | Graduate Professional Practice 3 Clinical Nutrition.  | 7       |
| NUTR 614 | Graduate Professional Practice 4 Community Nutrition. | 8       |
| NUTR 615 | Graduate Professional Practice 5 Clinical Nutrition.  | 7       |
| NUTR 618 | Dietetics Professional Practice.                      | 1       |
| NUTR 625 | Emerging Issues for Nutritionists.                    | 3       |
| NUTR 629 | Professional Dietetics Project.                       | 6       |
| NUTR 651 | M.Sc. (Applied) Literature Review.                    | 3       |
| NUTR 660 | M.Sc.(Applied) Final Presentation.                    | 1       |
| NUTR 695 | Human Nutrition Research Orientation.                 | 1       |
| NUTR 696 | Human Nutrition Seminar.                              | 1       |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| AEMA 610 | Statistical Methods 2.                           | 3       |
| ANSC 560 | Biology of Lactation.                            | 3       |
| EDKP 654 | Sport Psychology.                                | 3       |
| EDPC 501 | Facilitating Relationships .                     | 3       |
| EDPC 504 | Communication and Critical Conflict Resolution . | 3       |
| EDPE 502 | Theories of Human Development.                   | 3       |
| EPIB 507 | Biostats for Health Sciences.                    | 3       |

|          |                                    |   |
|----------|------------------------------------|---|
| FDSC 537 | Nutraceutical Chemistry.           | 3 |
| FDSC 538 | Food Science in Perspective.       | 3 |
| FDSC 545 | Advances in Food Microbiology.     | 3 |
| NUTR 501 | Nutrition in the Majority World.   | 3 |
| NUTR 502 | Independent Study 2.               | 3 |
| NUTR 506 | Qualitative Methods in Nutrition.  | 3 |
| NUTR 507 | Advanced Nutritional Biochemistry. | 3 |
| NUTR 512 | Herbs, Foods and Phytochemicals.   | 3 |
| NUTR 537 | Advanced Human Metabolism.         | 3 |
| NUTR 608 | Special Topics 1.                  | 3 |
| NUTR 610 | Pediatric and Maternal Nutrition.  | 3 |
| NUTR 641 | Advanced Global Food Security.     | 3 |
| PSYC 650 | Advanced Statistics 1.             | 3 |

## Elective Courses (3 credits)

3 credits at the 500 level or higher, to be chosen in consultation with the Program Director.

## Compulsory Immunization

A compulsory immunization program exists at McGill which is required for Dietetics students. Students should complete their immunization upon commencing the program. Confirmation of immunization will be coordinated by the Student Wellness Hub (<https://www.mcgill.ca/wellness-hub/>). Certain deadlines apply.

## Human Nutrition (Non-Thesis): Practicum (M.Sc.A.) (45 credits)

**Offered by:** Human Nutrition (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

The M.Sc.(Applied) in Human Nutrition; Non-Thesis - Practicum is a course-based program that focuses on advanced nutrition. It includes a practicum in clinical or applied nutrition.

## Practicum (12 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| NUTR 656 | M.Sc. (Applied) Practicum 1. | 3       |
| NUTR 657 | M.Sc. (Applied) Practicum 2. | 3       |
| NUTR 658 | M.Sc. (Applied) Practicum 3. | 3       |
| NUTR 659 | M.Sc. (Applied) Practicum 4. | 3       |

## Required Courses (6 credits)

Expand allContract all



| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUTR 651 | M.Sc. (Applied) Literature Review.    | 3       |
| NUTR 660 | M.Sc.(Applied) Final Presentation.    | 1       |
| NUTR 695 | Human Nutrition Research Orientation. | 1       |
| NUTR 696 | Human Nutrition Seminar.              | 1       |

## 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.

## Human Nutrition (Non-Thesis): Project (M.Sc.A.) (45 credits)

**Offered by:** Human Nutrition (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

The M.Sc.(Applied) in Human Nutrition; Non-Thesis - Project is a course-based program that focuses on advanced nutrition. It includes a research project in the community, clinic or laboratory.

## Research Project (12 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| NUTR 652 | M.Sc. (Applied) Project 1. | 3       |
| NUTR 653 | M.Sc. (Applied) Project 2. | 3       |
| NUTR 654 | M.Sc. (Applied) Project 3. | 3       |
| NUTR 655 | M.Sc. (Applied) Project 4. | 3       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUTR 651 | M.Sc. (Applied) Literature Review.    | 3       |
| NUTR 660 | M.Sc.(Applied) Final Presentation.    | 1       |
| NUTR 695 | Human Nutrition Research Orientation. | 1       |
| NUTR 696 | Human Nutrition Seminar.              | 1       |

## 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.

## Human Nutrition (Ph.D.)

**Offered by:** Human Nutrition (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUTR 695 | Human Nutrition Research Orientation. | 1       |
| NUTR 701 | Doctoral Comprehensive Examination.   | 0       |
| NUTR 796 | PhD Research Presentation.            | 1       |

## Registered Dietitian Credentialing (Gr. Dip.) (30 credits)

**Offered by:** Human Nutrition (Faculty of Agricultural and Environmental Sciences)

**Program credit weight:** 30

## Program Description

The Graduate Diploma in Registered Dietitian Credentialing is open to students with a Ph.D. in Human Nutrition from the School of Human Nutrition who would like to become a member of the Ordre professionnel des diététistes du Québec (OPDQ). The Diploma consists of 30 weeks of stage placements in Clinical, Community, and Management rotations. Before acceptance into the program, students will be required to complete courses in clinical nutrition, and certain required courses in preparation for Stage; and to demonstrate a basic level of French competency. This preparation may be done during the Ph.D.

program, or in a qualifying year after the Ph.D. On completion, students will meet OPDQ credits and professional practice requirements for licensure as a registered dietitian.

The Graduate Diploma is open to students who have completed a graduate degree with the School of Human Nutrition including NUTR 603 Credentialing in Dietetics..

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| NUTR 612 | Graduate Professional Practice 2 Management.          | 8       |
| NUTR 613 | Graduate Professional Practice 3 Clinical Nutrition.  | 7       |
| NUTR 614 | Graduate Professional Practice 4 Community Nutrition. | 8       |
| NUTR 615 | Graduate Professional Practice 5 Clinical Nutrition.  | 7       |

## Natural Resource Sciences

### About Natural Resource Sciences

The Department of Natural Resource Sciences offers programs leading to **M.Sc.** and **Ph.D.** degrees in:

- Agricultural Economics (M.Sc. only)
- Entomology (Neotropical Environment option available)
- Microbiology (Bioinformatics option available)
- Renewable Resources (this includes Ecotoxicology, Northern Research, Soil Science, and Wildlife Biology; Neotropical Environment options available)

An **interdisciplinary** option in Bioinformatics for doctoral students will not be offered in the 2026–2027 academic year. 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, and the Ecomuseum of the St. Lawrence Valley Natural History Society; details are available on the Natural Resource Sciences website.

## Natural Resource Science Admission Requirements and Application Procedures

### 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 minimum equivalent cumulative grade point average (CGPA) of 3.0/4.0 (second class–upper division) or minimum grade point average (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.

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 a minimum equivalent CGPA of 3.0–4.0 (second class–upper division) or a minimum 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. Thesis (Entomology, Microbiology, Renewable Resources)

Candidates are normally required to hold an M.Sc. degree and will be judged primarily on their ability to conduct an original and independent research study.

#### Qualifying Program

Some applicants whose degrees and Academic 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.**

#### Financial Aid

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences (AES) benefit from diverse funding sources throughout their studies at McGill University. Financial support may come from a combination of guaranteed funding, prospective funding, and employment salary.

Upon admission to a **thesis-based program** in the Department of Natural Resource Sciences, a student will be offered a **funding package** which will include a certain amount of guaranteed funding and may include additional prospective funding. The proposed funding arrangement will be outlined in a departmental funding letter addressed to the student, in supplement to the offer of admission from the University.

Students admitted to **non-thesis** graduate programs in the Department of Natural Resource Sciences are responsible for procuring funding (e.g., scholarship or personal funds) to cover their tuition, fees, and living expenses for the duration of their program. Students should give serious consideration to financial planning before submitting an application. You can find tuition and fee information on McGill's Student Accounts Graduate Fee Calculator or you may contact the Graduate Program Coordinator for your program of interest. Applicants may wish to consult the Fund your Studies web page for financial aid or external scholarship possibilities.

#### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See the Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance to all programs normally depends on a staff member agreeing to serve as the student's supervisor and the student obtaining financial support.
- The GRE – not required, but highly recommended.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Natural Resource Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Agricultural Economics (Thesis) (M.Sc.) (45 credits) (p. 108)
- Entomology (Ph.D.) (p. 110)
- Entomology (Thesis) (M.Sc.) (45 credits) (p. 109)
- Microbiology (Ph.D.) (p. 111)
- Microbiology (Thesis) (M.Sc.) (45 credits) (p. 109)
- Renewable Resources (Ph.D.) (p. 111)
- Renewable Resources (Thesis) (M.Sc.) (45 credits) (p. 110)
- Renewable Resources (Thesis): Neotropical Environment (M.Sc.) (45 credits) (p. 110)
- Renewable Resources: Neotropical Environment (Ph.D.) (p. 112)

## Program Overview

### Master of Science Degrees

#### Master of Science (M.Sc.) Entomology (Thesis)

Graduate students in the entomology program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program include terrestrial arthropod ecology, physiology, zoogeography, diversity, and systematics. Our students typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances both theory and applied management of ecosystems. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

#### Master of Science (M.Sc.) Renewable Resources (Thesis)

Graduate students in the renewable resources program work within, and often across, multiple disciplines of basic and applied

environmental sciences. Specialties within the program include environmental and ecological economics, environmental health and toxicology, forest ecology, fish and fisheries biology, landscape ecology, limnology, micrometeorology, soil science, and wildlife biology. They typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances both theory and applied management of natural resources. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

## Location

Department of Natural Resource Sciences  
Macdonald Campus  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7838

Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)

Website: [mcgill.ca/nrs](http://mcgill.ca/nrs)

## Agricultural Economics (Thesis) (M.Sc.) (45 credits)

**Offered by:** Agricultural Economics (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

Graduate students receive rigorous training in economic theory, institutional economics, and quantitative methods, with a focus on applying economic concepts and tools to identify, define, analyze, and solve economic problems in 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 analytical skills in the broad areas of agricultural and environmental economics. Students may specialize, by way of their research program, in agribusiness, resource economics, development, finance, marketing, trade, policy, and environmental economics. The program is intended to prepare graduates for rewarding careers in research, analysis, and decision-making in academia, private, NGO, and government sectors.

## Thesis Courses (24 credits)

Expand all Contract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| AGEC 691 | M.Sc. Thesis 1. | 3       |
| AGEC 692 | M.Sc. Thesis 2. | 3       |
| AGEC 693 | M.Sc. Thesis 3. | 6       |
| AGEC 694 | M.Sc. Thesis 4. | 6       |
| AGEC 695 | M.Sc. Thesis 5. | 6       |

## Required Course (3 credits)

Expand all Contract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| AGEC 690 | Seminar in Agricultural Economics. | 3       |

## Complementary Courses (18 credits)

6 credits, two theory courses chosen from:

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| ECON 610 | Microeconomic Theory 1. | 3       |
| ECON 620 | Macroeconomic Theory 1. | 3       |

or a theory course, at the 500 level or higher, approved by the Graduate Program Director.

At least 3 credits of quantitative methods course chosen from:

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| ECON 665 | Quantitative Methods. | 3       |

or a quantitative course, at the 500 level or higher, approved by the Graduate Program Director.

A minimum of 3 credits from the following:

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| AGEC 685 | Selected Topics in Agricultural Economics. | 3       |

Additional Complementary Courses: To complete the 45 credit program requirement from courses in your field or thesis area at the 500 level or higher in consultation with the Agricultural Economics Adviser.

## Entomology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science in Entomology is a thesis program of 45 credits. The program involves research primarily within the discipline of entomology but also across multiple disciplines of basic and applied environmental sciences, that advances both theory and applied management of natural resources. Specialties within the program include terrestrial arthropod ecology, physiology, zoogeography, diversity, and systematics.

### Thesis Courses (36 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| NRSC 691 | M.Sc. Thesis Research 1. | 12      |
| NRSC 692 | M.Sc. Thesis Research 2. | 12      |
| NRSC 693 | M.Sc. Thesis Research 3. | 12      |

### Required Courses (3 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| NRSC 643 | M.Sc. Proposal Seminar. | 1       |
| NRSC 644 | M.Sc. Update Seminar.   | 1       |
| NRSC 651 | M.Sc. Final Seminar.    | 1       |

## 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.

## Microbiology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science in Microbiology is a thesis program of 45 credits. The program involves research within, and often across, multiple disciplines of basic and applied environmental sciences that advances our fundamental knowledge about microorganisms as well as leads to improved efficiencies of our managed ecosystems. Specialties within the program range from the study of microbial ecology and diversity in natural, human-induced and extreme environments, molecular genetics, bioinformatics, and bacterial pathogens.

### Thesis Courses (36 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| NRSC 691 | M.Sc. Thesis Research 1. | 12      |
| NRSC 692 | M.Sc. Thesis Research 2. | 12      |
| NRSC 693 | M.Sc. Thesis Research 3. | 12      |

### Required Courses (3 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| NRSC 643 | M.Sc. Proposal Seminar. | 1       |
| NRSC 644 | M.Sc. Update Seminar.   | 1       |
| NRSC 651 | M.Sc. Final Seminar.    | 1       |



## Complementary Courses (6 credits)

Two 3-credit 500-, 600-, or 700-level courses; normally one of these will be a course in statistics.

## Renewable Resources (Thesis) (M.Sc.) (45 credits)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science in Renewable Resources is a thesis program of 45 credits. The program involves research within, and often across, multiple disciplines of basic and applied environmental sciences that advances both theory and applied management of natural resources. Specialties within the program include environmental and ecological economics, environmental health and toxicology, forest ecology, fish and fisheries biology, landscape ecology, limnology, micrometeorology, soil science, and wildlife biology.

### Thesis Courses (36 credits)

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| NRSC 691 | M.Sc. Thesis Research 1. | 12      |
| NRSC 692 | M.Sc. Thesis Research 2. | 12      |
| NRSC 693 | M.Sc. Thesis Research 3. | 12      |

### Required Courses (3 credits)

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| NRSC 643 | M.Sc. Proposal Seminar. | 1       |
| NRSC 644 | M.Sc. Update Seminar.   | 1       |
| NRSC 651 | M.Sc. Final Seminar.    | 1       |

## 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.

## Renewable Resources (Thesis): Neotropical Environment (M.Sc.) (45 credits)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Masters or PhD students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University. 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.

Whether applying to a Master or a PhD, students are expected to meet all the degree.

### Thesis Courses (33 credits)

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| NRSC 691 | M.Sc. Thesis Research 1. | 12      |
| NRSC 692 | M.Sc. Thesis Research 2. | 12      |
| NRSC 694 | M.Sc. Thesis Research 4. | 9       |

### Required Courses (9 credits)

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| NRSC 643 | M.Sc. Proposal Seminar.              | 1       |
| NRSC 644 | M.Sc. Update Seminar.                | 1       |
| NRSC 651 | M.Sc. Final Seminar.                 | 1       |

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.

## Entomology (Ph.D.)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

### Program Description

The Doctor of Philosophy in Entomology is a program that involves research primarily within the discipline of entomology but also across multiple disciplines of basic and applied environmental sciences, that advances both theory and applied management of natural resources. Specialties within the program include terrestrial arthropod ecology, physiology, zoogeography, diversity, and systematics.



## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| NRSC 701 | Ph.D. Comprehensive Examination. | 0       |
| NRSC 751 | PhD Research Proposal.           | 0       |
| NRSC 752 | Teaching Experience.             | 0       |
| NRSC 753 | PhD Research Progress Report.    | 0       |
| NRSC 754 | PhD Final Research Report.       | 0       |

## 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.

## Microbiology (Ph.D.)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Microbiology involves research within, and often across, multiple disciplines of basic and applied environmental sciences that advances our fundamental knowledge about microorganisms as well as leads to improved efficiencies of our managed ecosystems. Specialties within the program range from the study of microbial ecology and diversity in natural, human-induced and extreme environments, molecular genetics, bioinformatics, and bacterial pathogens.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| NRSC 701 | Ph.D. Comprehensive Examination. | 0       |
| NRSC 751 | PhD Research Proposal.           | 0       |
| NRSC 752 | Teaching Experience.             | 0       |
| NRSC 753 | PhD Research Progress Report.    | 0       |
| NRSC 754 | PhD Final Research Report.       | 0       |

## 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.

## Renewable Resources (Ph.D.)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Renewable Resources is a Resources program that involves research within, and often across, multiple disciplines of basic and applied environmental sciences that advances both theory and applied management of natural resources. Specialties within the program include environmental and ecological economics, environmental health and toxicology, forest ecology, fish and fisheries biology, landscape ecology, limnology, micrometeorology, soil science, and wildlife biology.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| NRSC 701 | Ph.D. Comprehensive Examination. | 0       |
| NRSC 751 | PhD Research Proposal.           | 0       |
| NRSC 752 | Teaching Experience.             | 0       |
| NRSC 753 | PhD Research Progress Report.    | 0       |
| NRSC 754 | PhD Final Research Report.       | 0       |

## 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.

# Renewable Resources: Neotropical Environment (Ph.D.)

**Offered by:** Natural Resource Sciences (Faculty of Agricultural and Environmental Sciences)  
**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Renewable Resources; Neotropical Environment is a research-based program offered in association with several University departments, the McGill School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama). The program involves research on environmental issues relevant to the Neotropics and Latin American countries, and it favours interdisciplinary approaches to research and learning, and tropical environmental issues and the skills relevant to working in the tropics.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| NRSC 701 | Ph.D. Comprehensive Examination.     | 0       |
| NRSC 751 | PhD Research Proposal.               | 0       |
| NRSC 752 | Teaching Experience.                 | 0       |
| NRSC 753 | PhD Research Progress Report.        | 0       |
| NRSC 754 | PhD Final Research Report.           | 0       |

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.

## Parasitology

### About Parasitology

The Institute of Parasitology offers **M.Sc.** and **Ph.D.** degrees in Parasitology and a non-thesis **M.Sc.A.** degree in Biotechnology

(Information on the Biotechnology programs is found in the Biotechnology section).

The Institute of Parasitology teaches and researches the phenomenon of parasitism in humans, livestock, and other animals, and the control of parasitic diseases. Additionally, it examines the interactions between parasitism, immunity, and nutrition within the context of the host-parasite relationship. Current research involves:

- molecular biology;
- molecular genetics;
- biochemistry;
- bioinformatics;
- pharmacology;
- control and drug resistance;
- immunology;
- epidemiology;
- biology;
- neurobiology;
- drug discovery; and
- the ecology of parasitic organisms—such as helminths and protozoa, viruses, and cancer cells.

The non-thesis program in Biotechnology offers course-based curricula 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 modern laboratories with excellent facilities for molecular research and includes a confocal suite. Small and large animal facilities are available on the Macdonald Campus. The Institute is affiliated with the J.D. MacLean Centre for Tropical Diseases at the McGill University Health Centre (MUHC).

Graduates typically go on to academic and research careers; enter private industry in the biotechnology and pharmaceutical sectors in research, management, technical services, and sales; or accept positions in the health, agriculture, food safety, and other government sectors.

## Parasitology Admission Requirements and Application Procedures

### Admission Requirements

Candidates for either the M.Sc. or the Ph.D. degree should possess a bachelor's degree in biological or medical sciences with a minimum cumulative grade point average (CGPA) 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.

### Qualifying Students

Some applicants whose academic degrees and Academic Standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the selected subject may be admitted to a Qualifying Year 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 Year will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, **but are not candidates for a degree.** Only one

Qualifying Year is permitted and can only be recommended at the discretion of the Department. **Successful completion of a Qualifying Year program does not guarantee admission to a degree program.**

## Financial Support

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences (AES) benefit from diverse funding sources throughout their studies at McGill University. Financial support may come from a combination of guaranteed funding, prospective funding, and employment salary.

Upon admission to a **thesis-based program** in the Institute of Parasitology, a student will be offered a **funding package** which will include a certain amount of guaranteed funding and may include additional prospective funding. The proposed funding arrangement will be outlined in a departmental funding letter addressed to the student, in supplement to the offer of admission from the University.

It is suggested that students give serious consideration to their financial planning before submitting an application. Academic units cannot guarantee financial support via teaching assistantships. For information on awards and funding opportunities, see:

- Future Graduate Students' Fund your studies page;
- The Institute of Parasitology's Financial Support;
- The Faculty of Agriculture and Environmental Sciences' Funding page;
- The Graduate Fellowships and Awards Calendar.

## English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit <https://www.mcgill.ca/gradapplicants/international/proficiency>

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](https://www.mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance to all thesis research programs depends on a staff member agreeing to serve as the student's supervisor.
- International students are strongly encouraged to secure funding from their home country or international agencies.
- Other documents may be required for the admission process. Please consult the Parasitology website for full details.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Institute of Parasitology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill

departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](https://www.mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](https://www.mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Parasitology (Ph.D.) (p. 114)
- Parasitology (Thesis) (M.Sc.) (45 credits) (p. 113)
- Parasitology: Bioinformatics (Ph.D.) (p. 114)

## Location

Institute of Parasitology  
Macdonald Campus  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [mcgill.ca/parasitology](https://www.mcgill.ca/parasitology)

## Parasitology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Parasitology (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Parasitology focuses on the phenomenon of parasitism in humans, livestock, and other animals, and the control of parasitic diseases, including the interface of parasitism/immunity/nutrition in the context of the host-parasite. The research thesis is under the direction of a supervisor.

## Thesis Courses (35 credits)

| Course   | Title              | Credits |
|----------|--------------------|---------|
| PARA 687 | Thesis Research 1. | 11      |
| PARA 688 | Thesis Research 2. | 11      |
| PARA 689 | Thesis Research 3. | 13      |

## Required Courses (10 credits)

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| PARA 606 | Parasitology Seminar.          | 2       |
| PARA 607 | Parasitology Research Seminar. | 2       |
| PARA 635 | Cell Biology and Infection.    | 3       |
| PARA 655 | Host-Parasite Interactions.    | 3       |

Other course work in related subjects may be required, depending upon the candidate's background and research orientation.

# Parasitology (Ph.D.)

**Offered by:** Parasitology (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (10 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| PARA 635 | Cell Biology and Infection.   | 3       |
| PARA 655 | Host-Parasite Interactions.   | 3       |
| PARA 701 | PhD Comprehensive Exam.       | 0       |
| PARA 710 | Parasitology Ph.D. Seminar 1. | 2       |
| PARA 711 | Parasitology Ph.D. Seminar 2. | 2       |

\* 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.

# Parasitology: Bioinformatics (Ph.D.)

**Offered by:** Parasitology (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (13 credits)

Expand allContract all

| Course     | Title                         | Credits |
|------------|-------------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar.       | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.       | 1.5     |
| PARA 635   | Cell Biology and Infection.   | 3       |
| PARA 655   | Host-Parasite Interactions.   | 3       |
| PARA 701   | PhD Comprehensive Exam.       | 0       |
| PARA 710   | Parasitology Ph.D. Seminar 1. | 2       |
| PARA 711   | Parasitology Ph.D. Seminar 2. | 2       |

## Complementary Courses (6 credits)

6 credits chosen from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.

# Plant Science

## About Plant Science

The Department offers an M.Sc. and a Ph.D. in Plant Science covering all fields of plant science. 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 phenotyping, plant biochemistry, and bioinformatics. Facilities include:

- Horticultural Research Centre
- Emile A. Lods Agronomy Research Centre
- greenhouses
- growth cabinets
- McGill University Herbarium
- multi-scale imaging facility
- genome editing laboratory
- plant-pest containment laboratory
- field phenomics platform

An advisory committee is named for each student and has the responsibility of developing the program of study appropriate to the student's background and area of specialization.



# Plant Science Admission Requirements and Application Procedures

## Admission Requirements

### General

The minimum cumulative grade point average (CGPA) is 3.0/4.0 (second class-upper division) or a minimum 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 an 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.

### 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.** The Qualifying Year is only offered at the discretion of the Department.

### Financial Aid

Graduate students pursuing **thesis-based programs** within the Faculty of Agricultural and Environmental Sciences (AES) benefit from diverse funding sources throughout their studies at McGill University. Financial support may come from a combination of guaranteed funding, prospective funding, and employment salary.

Upon admission to a **thesis-based program** in the Department of Plant Science, a student will be offered a **funding package** which will include a certain amount of guaranteed funding and may include additional prospective funding. The proposed funding arrangement will be outlined in a departmental funding letter addressed to the student, in supplement to the offer of admission from the University.

It is suggested that students should give serious consideration to financial planning before submitting an application. You can find tuition and fee information on McGill's Student Accounts Graduate Fee Calculator or you may contact the Graduate Program Coordinator for your program of interest. Applicants may wish to consult the Fund your studies web page for financial aid or external scholarship possibilities. Academic units cannot guarantee financial support via teaching assistantships.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required

prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations and Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance to all thesis research programs depends on a staff member agreeing to serve as the student's supervisor.
- International students are strongly encouraged to secure funding from their home country or international agencies.
- The GRE – not required, but highly recommended.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Plant Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Bioinformatics (Gr. Cert.) (15 credits) (p. 120)
- Plant Science (Ph.D.) (p. 118)
- Plant Science (Thesis) (M.Sc.) (45 credits) (p. 116)
- Plant Science (Thesis): Bioinformatics (M.Sc.) (45 credits) (p. 116)
- Plant Science (Thesis): Environment (M.Sc.) (45 credits) (p. 117)
- Plant Science (Thesis): Neotropical Environment (M.Sc.) (45 credits) (p. 117)
- Plant Science: Bioinformatics (Ph.D.) (p. 118)
- Plant Science: Environment (Ph.D.) (p. 118)
- Plant Science: Neotropical Environment (Ph.D.) (p. 119)

## Program Overview

The **M.Sc. in Plant Science (Thesis)** requires approximately two years for completion. Overall, the program 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.

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 option has an added emphasis on bioinformatics, including additional seminars.

The **Environment option** (not currently offered) has an added emphasis on environmental sciences, including additional courses and seminars. It is aimed at students who wish to take an interdisciplinary approach in their graduate research on environmental issues and who wish to benefit from interactions with students from a wide range of disciplines.

The **M.Sc. in Plant Science (Non-Thesis)** (not currently offered) 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 for the **M.Sc. in Plant Science** are varied, but include work with government agencies, the private sector, or further graduate studies in a related field.

The **Ph.D. in Plant Science** requires approximately three years for completion. Overall, the program 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.

The **Bioinformatics option** has an added emphasis on bioinformatics, including additional courses and seminars. The goal of this 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.

The **Environment graduate option** (not currently offered) has an added emphasis on environmental sciences, including additional courses and seminars. It is aimed at students who wish to take an interdisciplinary approach in their graduate research on environmental issues and who wish to benefit from interactions with students from a wide range of disciplines.

The **Neotropical Environment option** has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.

Subsequent career paths for the **Ph.D. in Plant Science** are varied, but include work with government agencies, universities, or the private sector.

The **Graduate Certificate in Bioinformatics** is a new cross-disciplinary program that teaches students the foundations of bioinformatics thinking, methodology, and applications through hands-on experience with computers and bioinformatics tools. The program introduces students to many areas of application such as medicine, agriculture, and chemistry. Required courses include basic UNIX skills, genomics data, common bioinformatics software, relational databases, and web resources. The certificate is completed in one term (Winter term **only**) after which graduates may go on to pursue successful careers in the biomedical, biotechnology, and biosciences fields.

## Location

Department of Plant Science  
Macdonald Campus  
21,111 Lakeshore Rd.  
Sainte-Anne-de-Bellevue, QC H9X 3V9

Telephone: 514-398-7560

Email: gradstudies.macdonald@mcgill.ca

Website: mcgill.ca/plant

## Plant Science (Thesis) (M.Sc.) (45 credits)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Thesis Courses (39 credits)

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| PLNT 664 | M.Sc. Thesis 1. | 12      |
| PLNT 665 | M.Sc. Thesis 2. | 12      |
| PLNT 666 | M.Sc. Thesis 3. | 15      |

## Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

## Complementary Courses (6 credits)

Two graduate-level courses

Additional courses may be required at the discretion of the candidate's supervisory committee.

## Plant Science (Thesis): Bioinformatics (M.Sc.) (45 credits)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Thesis Courses (36 credits)

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| PLNT 664 | M.Sc. Thesis 1. | 12      |
| PLNT 665 | M.Sc. Thesis 2. | 12      |
| PLNT 667 | MSc Thesis 3A.  | 12      |

## Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

## Required Courses (3 credits)

Expand allContract all

| Course     | Title                                 | Credits |
|------------|---------------------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar.               | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.               | 1.5     |
| PLNT 691   | Research Horizons in Plant Science 2. | 0       |

## Complementary Courses (6 credits)

Additional courses at the 500 or 600 level may be required at the discretion of the candidate's advisory committee.

Chosen from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 511 | Bioinformatics for Genomics.       | 3       |
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

## Plant Science (Thesis): Environment (M.Sc.) (45 credits)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

\*\*This program is currently not offered.\*\*

The M.Sc. in Plant Science (thesis) Environment is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical.) interact to define environment and sustainability issues.

## Thesis Courses (36 credits)

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| PLNT 664 | M.Sc. Thesis 1. | 12      |
| PLNT 665 | M.Sc. Thesis 2. | 12      |
| PLNT 667 | MSc Thesis 3A.  | 12      |

## Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |

## Complementary Courses (6 credits)

3-6 credits from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

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.

## Plant Science (Thesis): Neotropical Environment (M.Sc.) (45 credits)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.

## Thesis Courses (36 credits)

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| PLNT 664 | M.Sc. Thesis 1. | 12      |
| PLNT 665 | M.Sc. Thesis 2. | 12      |
| PLNT 667 | MSc Thesis 3A.  | 12      |

## Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

Required Courses (6 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |

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.

Plant Science (Ph.D.)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)  
**Degree:** Doctor of Philosophy

Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

Required Courses

\* Must be taken within one year of registering

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| PLNT 701 | Doctoral Comprehensive Examination. | 0       |

Complementary Courses

Any courses at the 500 or 600 level deemed necessary for the chosen area of specialization.

Plant Science: Bioinformatics (Ph.D.)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)  
**Degree:** Doctor of Philosophy

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

Required Courses (3 credits)

Expand allContract all

| Course     | Title                               | Credits |
|------------|-------------------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar.             | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.             | 1.5     |
| PLNT 701   | Doctoral Comprehensive Examination. | 0       |

<sup>1</sup> Must be taken within one year of registering.

Complementary Courses (6 credits)

Two courses to be chosen from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 511 | Bioinformatics for Genomics.       | 3       |
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

Additional courses at the 500 or 600 level may be required at the discretion of the candidate's advisory committee.

Plant Science: Environment (Ph.D.)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

**\*\*This program is currently not offered.\*\***

The Ph.D. in Plant Science Environment is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |
| PLNT 701 | Doctoral Comprehensive Examination. <sup>1</sup>           | 0       |

<sup>1</sup> Must be taken within the first year of registering

## Complementary Courses (6 credits)

3-6 credits from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Plant Science: Neotropical Environment (Ph.D.)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)

**Degree:** Doctor of Philosophy

## Program Description

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

The required thesis for this Ph.D. degree must display original scholarship expressed in proper literate style and must be a distinct contribution to knowledge.

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Invitational Seminar

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PLNT 690 | Research Horizons in Plant Science 1. | 0       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.                | 3       |
| ENVR 610 | Foundations of Environmental Policy. <sup>1</sup> | 3       |
| PLNT 701 | Doctoral Comprehensive Examination.               | 0       |

<sup>1</sup> Must be taken within one year of registering.

## 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.

## Bioinformatics (Gr. Cert.) (15 credits)

**Offered by:** Plant Science (Faculty of Agricultural and Environmental Sciences)

**Program credit weight:** 15

The Graduate Certificate in Bioinformatics is intended for people with a B.Sc. degree (for example technicians and other scientists) and who need "retrofitted" with bioinformatics skills, whether from a computational background (B.Sc. in Computer Science or similar) or a biological background (B.Sc. Biology, Molecular Biology, Microbiology, etc.). It teaches the basics of bioinformatics thinking, methodology and applications and gives hands on experience with computers and bioinformatics tools. It is cross-disciplinary in nature and introduces the students to many application areas (for example medicine, agriculture, chemistry). The Graduate Certificate can be completed in one term (Winter), or spread out over two terms.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| BINF 511 | Bioinformatics for Genomics. | 3       |
| BINF 660 | Advances in Bioinformatics.  | 3       |
| BTEC 555 | Structural Bioinformatics.   | 3       |

## Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

| Course     | Title                       | Credits |
|------------|-----------------------------|---------|
| BMDE 652   | Bioinformatics: Proteomics. | 3       |
| COMP 616D1 | Bioinformatics Seminar.     | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.     | 1.5     |
| HGEN 663   | Beyond the Human Genome.    | 3       |



## Arts

The largest faculty at the University, Arts is committed to remaining at the forefront of intellectual inquiry in our continually changing world. The humanities and social science disciplines that constitute the Faculty share a common endeavor: *to better understand the human condition in order to improve it*. A McGill Arts education provides you with the opportunity to explore the rich diversity of human endeavour and creative expression. It enables you to develop linguistic, critical, and analytical skills that will allow you to approach a question or issue from a variety of perspectives, to respond effectively to new developments, and to adapt to changing circumstances. These skills are highly sought after in a broad range of professional, academic, cultural, service, and business careers.

## Departments, Schools, and Institutes

- Anthropology (p. 121)
- Art History (p. 125)
- Communication Studies (p. 129)
- East Asian Studies (p. 132)
- Economics (p. 133)
- English (p. 137)
- French Language and Literature (p. 139)
- Geography (p. 143)
- History and Classical Studies (p. 148)
- Information Studies (p. 153)
- International Development (p. 160)
- Islamic Studies (p. 161)
- Jewish Studies (p. 165)
- Languages, Literatures, and Cultures (p. 167)
- Linguistics (p. 174)
- Mathematics and Statistics (p. 177)
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- Quebec Studies / Études sur le Québec (p. 199)
- Religious Studies (p. 200)
- Social Studies of Medicine (p. 205)
- Social Work (p. 206)
- Sociology (p. 214)

## Anthropology

### About Anthropology

Our Department places high priority on research and on maintaining distinguished graduate programs. Each year, we admit only a small number of highly qualified applicants for studies leading to the M.A. and Ph.D. degrees in Anthropology. These students benefit from a lively and nurturing intellectual environment, close supervision by our faculty members, and a diverse and vibrant student cohort in one of North America's most unique and exciting cities.

## Anthropology Admission Requirements and Application Procedures

### Admission Requirements

The Graduate Admissions Committee assesses applications to both the M.A. and Ph.D. programs on the basis of the following required materials:

1. Personal statement: 1 to 2 pages, single-spaced (approximately 500–1000 words), describing your reasons for applying to our graduate program in anthropology and indicating your significant qualifications, qualities, or circumstances as an applicant. This statement should also include information about your educational and professional goals and explain your interest in your desired field of study. For our thesis programs, students should—commensurate with their level of study—propose a robust, feasible, and timely anthropological research project; they should also be able to articulate how it fits with departmental strengths and the research interests of potential supervisors and committee members;
2. A current curriculum vitae (CV);
3. Two letters of reference;
4. A sample of your written work of no more than 15 pages. For example, a graded essay, chapter of your M.A. thesis, or an article of conference paper you have written. It can be written in French or English;
5. Transcripts from **all** institutions attended after secondary school;
6. If your mother tongue is not English and you have not graduated from a university or college where English is the main language of instruction, you must provide proof of language competency, i.e., a copy of your official Test of English as a Second Language (TOEFL) scores. A minimum TOEFL score of 600 is required on the paper-based test or 100 on the Internet-based test (iBT), with each component score not less than 20. For further information, see McGill's requirements on English language proficiency. International students may also contact McGill's International Student Services at 514-398-4349 for more information;
7. The Graduate Record Exam (GRE) is not required for admission to the Anthropology program.

### Master's

Admission to the M.A. program is open competitively to students holding an Honours or Major B.A. in Anthropology or Archaeology. 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 (GPA) of 3.5 or higher on a 4.0-point scale.

### Ph.D.

Admission to the Ph.D. program for year Ph.D. 2 is open competitively to students with a master's degree in Anthropology or Archaeology. In special circumstances, candidates with a master's degree in related disciplines may be admitted to Ph.D. 2. Exceptional students may apply for the Ph.D. program after a bachelor's degree in Anthropology or Archaeology; they then enter the program as Ph.D. 1 and take an additional year of coursework.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply). Department of Anthropology's application documents, deadlines, and fast facts are found at [mcgill.ca/anthropology/graduate/admissions](http://mcgill.ca/anthropology/graduate/admissions).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Anthropology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** The Department Admissions Committee announces its selections by mid-March and the end of April.

## Available Programs

- Anthropology (Non-Thesis) (M.A.) (45 credits) (p. 124)
- Anthropology (Ph.D.) (p. 124)
- Anthropology (Thesis) (M.A.) (45 credits) (p. 122)
- Anthropology (Thesis): Development Studies (M.A.) (45 credits) (p. 122)
- Anthropology (Thesis): Environment (M.A.) (45 credits) (p. 123)
- Anthropology (Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 123)
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## Program Overview

The **Master of Arts (M.A.) Anthropology (Thesis): 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.

The **Doctor of Philosophy (Ph.D.) Anthropology: Neotropical Environment Option (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 Ph.D. students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University.

## Location

Department of Anthropology  
Stephen Leacock Building, Room 712  
855 Sherbrooke St. W.  
Montréal, QC H3A 2T7

Telephone: 514-396-2134  
Fax: 514-398-7476  
Email: [gradprogram.anthropology@mcgill.ca](mailto:gradprogram.anthropology@mcgill.ca)  
Website: [mcgill.ca/anthropology](http://mcgill.ca/anthropology)

## Anthropology (Thesis) (M.A.) (45 credits)

**Offered by:** Anthropology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Anthropology (Thesis) provides advanced-level training in socio-cultural anthropology and archaeology. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to report on original research of publishable quality.

## Required Courses (33 credits)

Expand all Contract all

| Course     | Title                       | Credits |
|------------|-----------------------------|---------|
| ANTH 602   | Theory 1.                   | 3       |
| ANTH 603   | Theory 2.                   | 3       |
| ANTH 609D1 | Proseminar in Anthropology. | 3       |
| ANTH 609D2 | Proseminar in Anthropology. | 3       |
| ANTH 699   | M.A. Thesis.                | 21      |

## Complementary Courses (12 credits)

12 credits to be chosen from among 500-level or above departmental course offerings and to be determined by the student's area of study.

## Anthropology (Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** Anthropology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

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.

## Required Courses (36 credits)

Expand allContract all

| Course     | Title                        | Credits |
|------------|------------------------------|---------|
| ANTH 602   | Theory 1.                    | 3       |
| ANTH 603   | Theory 2.                    | 3       |
| ANTH 609D1 | Proseminar in Anthropology.  | 3       |
| ANTH 609D2 | Proseminar in Anthropology.  | 3       |
| ANTH 699   | M.A. Thesis.                 | 21      |
| INTD 657   | Development Studies Seminar. | 3       |

## Complementary Courses (9 credits)

9 credits to be chosen from among 500-level or above departmental course offerings related to Development Studies and in consultation with the program advisor.

## Anthropology (Thesis): Environment (M.A.) (45 credits)

**Offered by:** Anthropology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The M.A. in Anthropology (thesis): Environment Option is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

## Required Courses (36 credits)

Expand allContract all

| Course     | Title                                                      | Credits |
|------------|------------------------------------------------------------|---------|
| ANTH 602   | Theory 1.                                                  | 3       |
| ANTH 603   | Theory 2.                                                  | 3       |
| ANTH 609D1 | Proseminar in Anthropology.                                | 3       |
| ANTH 609D2 | Proseminar in Anthropology.                                | 3       |
| ANTH 699   | M.A. Thesis.                                               | 21      |
| ENVR 615   | Interdisciplinary Approach Environment and Sustainability. | 3       |

## Complementary Courses (9 credits)

3 credits from any 500 level or above departmental course offerings related to Environment, as approved by the advisory committee.

3 credits from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits to be chosen from among 500 level or above departmental course offerings related to Environment, recommended by the Advisory Committee, and approved by the Environment Option Committee.

## Anthropology (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Anthropology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

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.

## Required Courses (36 credits)

Expand allContract all

| Course     | Title                          | Credits |
|------------|--------------------------------|---------|
| ANTH 602   | Theory 1.                      | 3       |
| ANTH 609D1 | Proseminar in Anthropology.    | 3       |
| ANTH 609D2 | Proseminar in Anthropology.    | 3       |
| ANTH 603   | Theory 2.                      | 3       |
| ANTH 699   | M.A. Thesis.                   | 21      |
| WMST 601   | Feminist Theories and Methods. | 3       |

## Complementary Courses (9 credits)

9 credits of coursework related to Gender and Women's Studies at the 500 or 600 level, at least 6 of which must be taken within the

Anthropology Department, and in consultation with the program advisor.

# Medical Anthropology (Thesis) (M.A.) (45 credits)

**Offered by:** Anthropology (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

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.

## Required Courses (36 credits)

Expand allContract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| ANTH 602   | Theory 1.                        | 3       |
| ANTH 603   | Theory 2.                        | 3       |
| ANTH 609D1 | Proseminar in Anthropology.      | 3       |
| ANTH 609D2 | Proseminar in Anthropology.      | 3       |
| ANTH 615   | Seminar in Medical Anthropology. | 3       |
| ANTH 699   | M.A. Thesis.                     | 21      |

## Complementary Courses (9 credits)

9 credits to be chosen from among 500-level or above departmental course offerings related to Medical Anthropology and in consultation with the program adviser.

# Anthropology (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Anthropology (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

**\*\*This program is not currently offered\*\***

The MA in Anthropology; Non-Thesis provides an intensive, course-based training in the fundamentals of anthropological theory and methodology over three semesters. The program is designed as a rigorous and comprehensive preparation for subsequent specialization in sociocultural anthropology, archaeology, or medical anthropology at the PhD level.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title     | Credits |
|----------|-----------|---------|
| ANTH 602 | Theory 1. | 3       |
| ANTH 603 | Theory 2. | 3       |

|            |                             |   |
|------------|-----------------------------|---|
| ANTH 609D1 | Proseminar in Anthropology. | 3 |
| ANTH 609D2 | Proseminar in Anthropology. | 3 |
| ANTH 690   | Research Paper 1.           | 6 |
| ANTH 691   | Research Paper 2.           | 6 |
| ANTH 692   | Research Paper 3.           | 6 |

## Complementary Courses (15 credits)

15 credits to be chosen from among 500-level or above departmental course offerings and to be determined by the student's area of study.

# Anthropology (Ph.D.)

**Offered by:** Anthropology (Faculty of Arts)  
**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy (Ph.D.) Anthropology program focuses on the discipline of anthropology (including socio-cultural anthropology, archaeology and medical anthropology research). The program includes a PhD dissertation research project.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (12 credits)

Expand allContract all

| Course     | Title                          | Credits |
|------------|--------------------------------|---------|
| ANTH 602   | Theory 1.                      | 3       |
| ANTH 603   | Theory 2.                      | 3       |
| ANTH 609D1 | Proseminar in Anthropology.    | 3       |
| ANTH 609D2 | Proseminar in Anthropology.    | 3       |
| ANTH 701   | PhD Comprehensive Examination. | 0       |
| ANTH 702   | PhD Proposal Defence.          | 0       |

Note: ANTH 602 Theory 1. and ANTH 603 Theory 2. should be taken in the first year of the program.

## Complementary Courses (12 credits)

12 credits at the 500 and 600 level selected from courses within and/or outside the Department relevant to the student's research area in consultation with the student's supervisor and advisory committee.

A maximum of 6 credits can be taken from other programs with approval of the supervisor and GPD.

## Elective Courses (0-24 credits)

A maximum of 24 credits at the 500 level or higher can be taken inside or outside the Department (e.g., language training, methodological training, history or regional studies courses).

## 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.

The Ethics application and the language exam must be submitted before the proposal defence. They can be submitted at any point during PhD2 and PhD3 (before the date of the proposal defence is chosen).

## Anthropology: Neotropical Environment (Ph.D.)

**Offered by:** Anthropology (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (18 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.

Expand allContract all

| Course     | Title                       | Credits |
|------------|-----------------------------|---------|
| ANTH 602   | Theory 1.                   | 3       |
| ANTH 603   | Theory 2.                   | 3       |
| ANTH 609D1 | Proseminar in Anthropology. | 3       |
| ANTH 609D2 | Proseminar in Anthropology. | 3       |

|          |                                      |   |
|----------|--------------------------------------|---|
| ANTH 701 | PhD Comprehensive Examination.       | 0 |
| ANTH 702 | PhD Proposal Defence.                | 0 |
| BIOL 640 | Tropical Biology and Conservation.   | 3 |
| ENVR 610 | Foundations of Environmental Policy. | 3 |

## Complementary Courses (6 credits)

6 credits, at the 500, 600, or 700 level, selected from courses within and/or outside the department relevant to the student's research area and in consultation with the student's supervisor and advisory committee. At least 3 of the 6 credits must also be pre-approved by the Neotropical Environment Director.

## Elective Courses (0-24 credits)

A maximum of 24 credits at the 500 level or higher can be taken inside or outside the Department (e.g., language training, methodological training, history or regional studies courses).

## 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.

The Ethics application and the language exam must be submitted before the proposal defence. They can be submitted at any point during PhD2 and PhD3 (before the date of the proposal defence is chosen.)

If admitted to Ph.D. 1.

In addition to the above requirements, 15 credits from courses at the 500 level or higher within and/or outside of the Department relevant to the student's research area in consultation with the student's supervisor and/or PhD committee.

## Art History

### 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
- Global Contemporary
- Indigenous
- Canadian
- East Asian
- Architectural History



- New Media
- Print Culture
- Gender and Sexuality
- Race and Representation
- Art historical methodologies, notably Feminism, Postcolonialism, and Queer Theory

Our faculty members are outstanding scholars in their respective fields. With our students, they regularly undertake a wide range of major collaborative and individual research projects. Many involve faculty from other universities, departments, and programs including English; Social Studies of Medicine; Religious Studies; History and Classical Studies; and the Institute for Gender, Sexuality, and Feminist Studies. These research collaborations allow us to offer innovative, interdisciplinary research training opportunities, and assistantship to our graduate students.

McGill is situated in one of the most vibrant cities in North America. Our Montréal locale offers myriad opportunities for graduate students to engage with local arts and media venues. We have long-standing relations with institutions such as the *Musée d'art contemporain*, the *Musée des beaux arts de Montréal*, the Canadian Centre for Architecture, and the *Bibliothèque et Archives nationales du Québec* offer grants and research opportunities for our graduate students. We collaborate with a variety of independent contemporary art galleries, feminist arts spaces, and media collectives. In addition to McGill's own Visual Arts Collection, our students often work in and for university-based venues including the Redpath Museum and the McCord Stewart Museum (which houses the Notman Photographic Archives and the McGill University Archives). Through initiatives including *Le séminaire des nouveaux modernes*, our faculty and students maintain close relationships with researchers at Montréal's three other major universities: Concordia University, *Université de Montréal*, and *Université du Québec à Montréal*. Combined with institutional relationships, these informal links connect our students 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.

Further information is available on the Art History and Communication Studies website.

## Residency Requirements

For students entering the master's program in Art History, three semesters of full-time resident study at McGill University are required to complete the degree. "Residence" means that the student is enrolled on a full-time basis during this period (i.e., it does not refer to housing or accommodations). This residence period represents the minimum time required to obtain the degree; however, there is no guarantee that the required coursework can be completed within this time. Students may register for additional semesters to complete the program, and most students take four semesters (see Time Limitation (p. 44)).

## Coursework

Before classes begin, each student will meet with either the Graduate Program Director or with their supervisor to determine an appropriate selection of courses which, when considered in relation to the student's previous record, will provide a balanced 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 designated by the Department as forming a part of their program. These are the 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 ensure that they fulfill their course requirements.

# Art History Admission Requirements and Application Procedures

## 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 proposal of at least 500 words outlining the candidate's particular research interest in Art History as well as a sample of their 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 Application Procedures below.

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission.

## 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 Graduate Program Director 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; however, a positive response from an individual faculty member regarding supervisory interest does not guarantee admission. Applicants who have not vetted their research proposal with a potential supervisor are unlikely to be admitted.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See Application Procedures (p. 53) for detailed application procedures.

For any admissions problems, please contact the Graduate Administrative Coordinator:

Telephone: 514-398-4933  
Email: [graduate.ahcs@mcgill.ca](mailto:graduate.ahcs@mcgill.ca)

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Writing Sample (in English or French)
- Research Proposal
- CV

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Art History and Communication Studies and may be revised at any time. Applicants must verify departmental deadlines and documentation requirements well in advance on the website at [mcgill.ca/ahcs/graduate/admissions](http://mcgill.ca/ahcs/graduate/admissions).

Information on application procedures and deadlines is also available at [mcgill.ca/gradapplicants/how-apply/applying-mcgill](http://mcgill.ca/gradapplicants/how-apply/applying-mcgill).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

Note: There are no Winter or Summer term admissions for the M.A. and Ph.D. programs.

## Available Programs

- Art History (Ph.D.) (p. 128)
- Art History (Thesis) (M.A.) (45 credits) (p. 127)
- Art History (Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 127)
- Art History: Gender and Women's Studies (Ph.D.) (p. 128)

More information on programs can be found on the Art History and Communication Studies website.

## Location

Department of Art History and Communication Studies  
McCall MacBain Arts Building, Room 155-B  
853 Sherbrooke St. W.  
Montréal, QC H3A 0G5

Telephone: 514-398-2850  
Fax: 514-398-8557  
Email: [graduate.ahcs@mcgill.ca](mailto:graduate.ahcs@mcgill.ca)  
Website: [mcgill.ca/ahcs](http://mcgill.ca/ahcs)

## Art History (Thesis) (M.A.) (45 credits)

**Offered by:** Art History & Communications (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The M.A. in Art History with the thesis option requires the completion of 45 credits of coursework.

The program is designed to be completed in four semesters, but may be completed in three semesters. There is a time limit to complete the M.A. degree in three years (full-time) or five years (part-time).

For further details on thesis preparation and submission consult [www.mcgill.ca/gps/thesis/thesis-guidelines](http://www.mcgill.ca/gps/thesis/thesis-guidelines).

## Required Courses (27 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| ARTH 600 | Advanced Professional Seminar. | 3       |
| ARTH 698 | Thesis Research 1.             | 12      |
| ARTH 699 | Thesis Research 2.             | 12      |

## Complementary Courses (18 credits)

Chosen from the following:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| ARTH 501 | Advanced Topics in Art History and Visual Culture. | 3       |
| ARTH 502 | Advanced Topics in Art and Architectural History.  | 3       |
| ARTH 630 | Directed Reading 1.                                | 3       |
| ARTH 645 | Medieval Art and Archaeology.                      | 3       |
| ARTH 646 | Topics: Chinese Visual Culture.                    | 3       |
| ARTH 647 | Topics: Renaissance Art and Architecture 1.        | 3       |
| ARTH 653 | Topics: Early Modern Visual Culture 1.             | 3       |
| ARTH 654 | Topics: Early Modern Visual Culture 2.             | 3       |
| ARTH 660 | Contemporary Art and Criticism 1.                  | 3       |
| ARTH 661 | Contemporary Art and Criticism 2.                  | 3       |
| ARTH 675 | Topics: 19th - Century Art and Architecture 1.     | 3       |
| ARTH 678 | Topics: 19th - Century Art and Architecture 2.     | 3       |
| ARTH 714 | Directed Reading 2.                                | 3       |
| ARTH 724 | Art Criticism 2.                                   | 3       |
| ARTH 725 | Methods in Art History 1.                          | 3       |
| ARTH 731 | Current Problems in Art History 2.                 | 3       |

## Art History (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Art History & Communications (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The M.A. in Art History; Thesis option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Art History and 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 thesis must be on a topic centrally relating to issues of gender and/or women's studies.

For further details on thesis preparation and submission consult: [www.mcgill.ca/gps/thesis/thesis-guidelines](http://www.mcgill.ca/gps/thesis/thesis-guidelines).

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| ARTH 600 | Advanced Professional Seminar. | 3       |
| ARTH 698 | Thesis Research 1.             | 12      |
| ARTH 699 | Thesis Research 2.             | 12      |
| WMST 601 | Feminist Theories and Methods. | 3       |

## Complementary Courses (15 credits)

15 credits at the 500 level or higher to be chosen in consultation with a supervisor.

3 credits of complementary coursework must be chosen from one of the courses below:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| COMS 633 | Feminist Media Studies.      | 3       |
| WMST 602 | Feminist Research Symposium. | 3       |

Or a 3-credit, option-approved course at the 500, 600, or 700 level, taught outside WMST (e.g., an option-approved Art History course, or an option-approved course taught in another discipline).

3 credits of the 15 credits of complementary coursework may be taken at another university in Montreal.

## Art History (Ph.D.)

**Offered by:** Art History & Communications (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Art History offers rigorous methodological and theoretical training from antiquity to the contemporary moment that is international in scope. The program focuses on advanced skills in research, literature review, original thinking, and academic writing.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the

thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| ARTH 600 | Advanced Professional Seminar.   | 3       |
| ARTH 701 | Ph.D. Comprehensive Examination. | 0       |

## Complementary Courses (12 credits)

Four courses chosen from the following:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| ARTH 501 | Advanced Topics in Art History and Visual Culture. | 3       |
| ARTH 502 | Advanced Topics in Art and Architectural History.  | 3       |
| ARTH 714 | Directed Reading 2.                                | 3       |
| ARTH 723 | Art Criticism 1.                                   | 3       |
| ARTH 724 | Art Criticism 2.                                   | 3       |
| ARTH 725 | Methods in Art History 1.                          | 3       |
| ARTH 731 | Current Problems in Art History 2.                 | 3       |

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

Ph.D. students must demonstrate proficiency in one or more languages other than English that is related to their dissertation research, as determined by their supervisor. Certain areas of study may require more extensive language training, which will be determined by individual supervisors. In cases where dissertation research does not require non-English proficiency, Ph.D. students must demonstrate proficiency in French.

## Art History: Gender and Women's Studies (Ph.D.)

**Offered by:** Art History & Communications (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand all Contract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| ARTH 600 | Advanced Professional Seminar.   | 3       |
| ARTH 701 | Ph.D. Comprehensive Examination. | 0       |
| WMST 601 | Feminist Theories and Methods.   | 3       |
| WMST 602 | Feminist Research Symposium.     | 3       |

## 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

Ph.D. students must demonstrate proficiency in one or more languages other than English that is related to their dissertation research, as determined by their supervisor. Certain areas of study may require more extensive language training, which will be determined by individual supervisors. In cases where dissertation research does not require non-English proficiency, Ph.D. students must demonstrate proficiency in French.

## Communication Studies 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; feminist media studies; Black media studies; public policy and governance; queer theory; 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 Communication Studies program offers courses and directs project research in preparation for the M.A.(Thesis) and Ph.D. in Communication Studies. A graduate option in Gender and Women's Studies is available via the Institute for Gender, Sexuality, and Feminist Studies.

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.

McGill is situated in one of the most vibrant cities in North America. Our Montréal locale offers myriad opportunities for graduate students to engage with local arts and media venues. We have long-standing relations with institutions such as the *Musée d'art contemporain*, the *Musée des beaux arts de Montréal*, the Canadian Centre for Architecture, and the *Bibliothèque et Archives nationales du Québec* offer grants and research opportunities for our graduate students. We collaborate with a variety of independent contemporary art galleries, feminist arts spaces, and media collectives. In addition to McGill's own Visual Arts Collection, our students often work in and for university-based venues including the Redpath Museum and the McCord Stewart Museum (which houses the Notman Photographic Archives and the McGill University Archives). Through initiatives including *Le séminaire des nouveaux modernes*, our faculty and students maintain close relationships with researchers at Montréal's three other major universities: Concordia University, *Université de Montréal*, and *Université de Québec à Montréal*. Combined with institutional relationships, these informal links connect our students 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.

Further information is available on the Art History and Communication Studies website.

## Communication Studies Admission Requirements and Application Procedures Admission Requirements

### M.A.

To apply to the M.A. program in Communication Studies, candidates are expected to have a B.A. degree with a minimum CGPA of 3.3. An undergraduate degree in Communication Studies is not required although demonstrated ability in a related area of study is an asset. Potential applicants are encouraged to consult the program description to determine whether their interests and qualifications align with those of the program, as this is an important factor in admissions.

### Ph.D.

Applicants to the Ph.D. program are expected to have completed an M.A. degree or the equivalent thereof. Admission to the Ph.D. program is conditional on a strong fit between a candidate's research interests and those of our faculty. It is not required that applicants contact potential supervisors, or establish a supervisory committee, prior to application. However, applicants may wish to contact faculty members in order to gauge their interest and availability to supervise, as this can be a factor in admissions decisions. A positive response from an individual faculty member regarding supervisory interest does not guarantee admission.

### English Language Proficiency

International applicants whose first language is not English should consult the proof of proficiency requirements.



## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

Applications will be considered until the deadline of January 15.

Inquiries regarding the program should be addressed to the Graduate Administrative Coordinator, Department of Art History and Communication Studies.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Research Proposal – at least 500 words
- Written Work – two examples of academic writing
- CV

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Art History and Communication Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Communication Studies (Ph.D.) (p. 131)
- Communication Studies (Thesis) (M.A.) (45 credits) (p. 130)
- Communication Studies (Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 130)
- Communication Studies: Gender and Women's Studies (Ph.D.) (p. 131)

## Location

Department of Art History and Communication Studies  
McCall MacBain Arts Building, Room 155-B  
853 Sherbrooke St. W.  
Montréal, QC H3A 0G5

Telephone: 514-398-2850  
Fax: 514-398-8557  
Email: [graduate.ahcs@mcgill.ca](mailto:graduate.ahcs@mcgill.ca)  
Website: [mcgill.ca/ahcs](http://mcgill.ca/ahcs)

## Communication Studies (Thesis) (M.A.) (45 credits)

**Offered by:** Art History & Communications (Faculty of Arts)

**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

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)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| COMS 692 | M.A. Thesis Preparation 1. | 6       |
| COMS 693 | M.A. Thesis Preparation 2. | 6       |
| COMS 694 | M.A. Thesis Preparation 3. | 6       |
| COMS 695 | M.A. Thesis Preparation 4. | 6       |

## Required Course (3 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| COMS 616 | Staff-Student Colloquium 1. | 3       |

## Complementary Courses (18 credits)

18 credits of 500-level or higher COMS courses; two courses outside COMS require approval of the Graduate Program Director.

## Communication Studies (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Art History & Communications (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

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)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| COMS 692 | M.A. Thesis Preparation 1. | 6       |
| COMS 693 | M.A. Thesis Preparation 2. | 6       |



|          |                            |   |
|----------|----------------------------|---|
| COMS 694 | M.A. Thesis Preparation 3. | 6 |
| COMS 695 | M.A. Thesis Preparation 4. | 6 |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| COMS 616 | Staff-Student Colloquium 1.    | 3       |
| WMST 601 | Feminist Theories and Methods. | 3       |

## 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

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

OR, one 3-credit course on gender/women's issues at the 500, 600, or 700 level (may be in the Department or outside).

## Communication Studies (Ph.D.)

**Offered by:** Art History & Communications

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| COMS 616 | Staff-Student Colloquium 1. | 3       |
| COMS 702 | Comprehensive Examination.  | 0       |
| COMS 703 | Dissertation Proposal.      | 0       |

## 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

Ph.D. students must demonstrate proficiency in one or more languages other than English that is related to their dissertation research, as determined by their supervisor. Certain areas of study may require more extensive language training, which will be determined by individual supervisors. In cases where dissertation research does not require non-English proficiency, Ph.D. students must demonstrate proficiency in French.

## Communication Studies: Gender and Women's Studies (Ph.D.)

**Offered by:** Art History & Communications (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| COMS 616 | Staff-Student Colloquium 1.    | 3       |
| COMS 702 | Comprehensive Examination.     | 0       |
| COMS 703 | Dissertation Proposal.         | 0       |
| WMST 601 | Feminist Theories and Methods. | 3       |
| WMST 602 | Feminist Research Symposium.   | 3       |

## 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

Ph.D. students must demonstrate proficiency in one or more languages other than English that is related to their dissertation research, as determined by their supervisor. Certain areas of study may require more extensive language training, which will be determined by individual supervisors. In cases where dissertation research does not require non-English proficiency, Ph.D. students must demonstrate proficiency in French.

## East Asian Studies

### About East Asian Studies

The Department of East Asian Studies is committed to offering a rigorous, innovative, and interdisciplinary environment in which students learn a variety of critical and historical approaches to the study of East Asian arts, cultures, histories, languages, literatures, media, and social practices. The research expertise of our faculty members spans a wide range of disciplinary backgrounds including:

- art history;
- cultural studies;
- film and media studies;
- gender and women's studies;
- history and literature; and
- religion both institutional and popular.

The unique curriculum of East Asian Studies allows students to gain an intellectually rich, historically informed, theoretically sophisticated, and materially grounded understanding of China, Japan, and Korea as spaces of dynamic formation and transformation, all while developing proficiency in languages of the region. Graduate students may choose from a wide range of courses offered both by the Department and other departments in the Faculty of Arts, and in other faculties that encourage the development of strong intellectual connections with multiple disciplines.

## East Asian Studies Admission Requirements and Application Procedures

### Admission Requirements

#### General

A minimum Standing equivalent to a cumulative grade point average (CGPA) of 3.0/4.0, or a GPA of 3.2/4.0 for the last two full-time academic years.

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 must submit official copies of their Graduate Record Examination (GRE) at the time of application. These scores must come directly from the Educational Testing Service; **hard copies and photocopies are not accepted.**

A minimum Test of English as a Foreign Language (TOEFL) score of 86 (Internet-based test (iBT); with 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 International English Language Testing System (IELTS) examination, for which the minimum score is an overall band score of 6.5 (academic module). For the TOEFL and GRE, you must indicate the McGill University institution code: 0935.

#### 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.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- curriculum vitae;
- research proposal
  - for Master's applicants: approximately 500 words
  - for PhD applicants: approximately 5 pages
  - the proposal should include a potential supervisor the field in which the applicant wishes to pursue, the reasons for applying to the program, a description of the proposed research project, and a brief bibliography.
- writing sample: a sample of 15–20 pages.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of East Asian Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- East Asian Studies (Ad Hoc) (Ph.D.) (p. 133)
- East Asian Studies (Thesis) (Ad Hoc) (M.A.) (45 credits) (p. 133)

## Location

Department of East Asian Studies  
680 Sherbrooke St. W., Room 0425  
Montréal, QC H3A 2M7

Telephone: 514-398-3650 or 514-399-9441  
Email: [asian.studies@mcgill.ca](mailto:asian.studies@mcgill.ca)  
Website: [mcgill.ca/eas](http://mcgill.ca/eas)

## East Asian Studies (Thesis) (Ad Hoc) (M.A.) (45 credits)

**Offered by:** East Asian Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts in East Asian Studies is an Ad Hoc program that focuses on the interdisciplinary and disciplinary approaches to studying cultures, literatures, media, arts, religions, and gender and sexuality in East Asia and beyond.

## Program Requirements

The Department only offers a thesis option. The M.A. program with thesis includes:

1. four 3-credit graduate courses (12 credits);
2. one graduate 3-credit seminar in theory/methodology (3 credits);
3. one graduate 6-credit seminar or two graduate 3-credit seminars (6 credits); and
4. 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.

## East Asian Studies (Ad Hoc) (Ph.D.)

**Offered by:** East Asian Studies (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

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.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Economics

### About Economics

The Department of Economics offers a Ph.D. program that attracts students from all over the world. Faculty members conduct research in numerous areas of economics, with particularly strong representation in the fields of econometrics, empirical microeconomics including development, and natural resources.

Lectures and examinations in the graduate program in Economics are given in the core areas of:

- macroeconomics
- microeconomics
- econometrics

and several fields including:

- economic development
- financial econometrics

- industrial organization
- health economics
- international economics
- labour economics
- monetary economics
- mathematical economics
- advanced theory

## Economics Admission Requirements and Application Procedures

### Admission Requirements

You must hold, or reasonably expect to hold by September, a master's degree in economics for entry to the Ph.D. program; however, exceptional candidates holding a bachelor's degree will be considered for direct admission to Ph.D. 1 level.

If your education has been interrupted or if you do not have an undergraduate or graduate degree in economics from a Canadian university, you must take the Graduate Record Examination (GRE; General Test) and arrange for your scores to be sent to us.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission.

**Note:** The Graduate Management Admission Test (GMAT) cannot be substituted for the GRE. McGill University's institutional code is 0935, and the Department of Economics' code is 1801. For more information about the GRE, please visit their website.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

Information can be accessed on the Economics Department website at [mcgill.ca/economics](http://mcgill.ca/economics).

### Additional Requirements

- GRE – mandatory if your education was interrupted or you do not have a degree in Economics from a Canadian university
- Personal Statement

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Economics Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill

departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Economics (Non-Thesis) (M.A.) (45 credits) (p. 135)
- Economics (Non-Thesis): Development Studies (M.A.) (45 credits) (p. 135)
- Economics (Non-Thesis): Population Dynamics (M.A.) (45 credits) (p. 136)
- Economics (Ph.D.) (p. 136)
- Economics (Thesis) (M.A.) (45 credits) (p. 134)

**Note:** Changes may take place after this information has been published. Students are advised to contact the Department of Economics for supplementary information which may be important to their choice of program.

## Location

Department of Economics  
Stephen Leacock Building, 4th Floor  
855 Sherbrooke St. W.  
Montréal, QC H3A 2T7

Email: [graduate.economics@mcgill.ca](mailto:graduate.economics@mcgill.ca)

Website: [mcgill.ca/economics](http://mcgill.ca/economics)

## Economics (Thesis) (M.A.) (45 credits)

**Offered by:** Economics (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts in Economics (Thesis) offers training in economics. It focuses on economic theory, empirical techniques, and policy applications, including microeconomics, macroeconomics, and econometrics.

## Required Courses (27 credits)

Expand all Contract all

| Course   | Title       | Credits |
|----------|-------------|---------|
| ECON 650 | Research 1. | 3       |
| ECON 651 | Research 2. | 3       |
| ECON 652 | Research 3. | 3       |
| ECON 670 | Thesis 1.   | 6       |
| ECON 671 | Thesis 2.   | 6       |
| ECON 672 | Thesis 3.   | 6       |

## Complementary Courses (18 credits)

12 credits from the following:

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| ECON 662 | Econometrics 1.         | 3       |
| ECON 663 | Econometrics 2.         | 3       |
| ECON 709 | Microeconomic Theory 3. | 3       |
| ECON 711 | Microeconomic Theory 2. | 3       |
| ECON 712 | Macroeconomic Theory 1. | 3       |
| ECON 713 | Macroeconomic Theory 2. | 3       |

Note: Choose either ECON 662, ECON 663, ECON 709, ECON 711; or ECON 662, ECON 663, ECON 712, ECON 713; or ECON 709, ECON 711, ECON 712, ECON 713.

6 credits at the 500 level or higher, as determined by the student's area of study and in consultation with the MA Director.

## Economics (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Economics (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

This program is currently not offered.

The Master of Arts in Economics; Non-Thesis program provides graduate training in theoretical and applied economics, and in econometric methods.

### Research Project (18 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| ECON 650 | Research 1.    | 3       |
| ECON 651 | Research 2.    | 3       |
| ECON 680 | M.A. Report 1. | 3       |
| ECON 681 | M.A. Report 2. | 3       |
| ECON 682 | M.A. Report 3. | 3       |
| ECON 683 | M.A. Report 4. | 3       |

### Required Courses (18 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ECON 610 | Microeconomic Theory 1.              | 3       |
| ECON 620 | Macroeconomic Theory 1.              | 3       |
| ECON 654 | Research Methods in Economics.       | 3       |
| ECON 661 | Applied Time-Series and Forecasting. | 3       |

|          |                                  |   |
|----------|----------------------------------|---|
| ECON 664 | Applied Cross-Sectional Methods. | 3 |
| ECON 665 | Quantitative Methods.            | 3 |

## Complementary Courses (9 credits)

9 credits at the 500, 600, or 700 level, as determined by the student's area of study, in consultation with the supervisor [excluding ECON 662, ECON 662D1, ECON 662D2, and ECON 663].

## Economics (Non-Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** Economics (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

This program is currently not offered.

The Master of Arts in Economics; Non-Thesis - Development Studies program provides graduate training in theoretical and applied economics, and in econometric methods. The focus of the research paper will be on international development issues.

### Research Project (18 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| ECON 650 | Research 1.    | 3       |
| ECON 651 | Research 2.    | 3       |
| ECON 680 | M.A. Report 1. | 3       |
| ECON 681 | M.A. Report 2. | 3       |
| ECON 682 | M.A. Report 3. | 3       |
| ECON 683 | M.A. Report 4. | 3       |

### Required Courses (24 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ECON 610 | Microeconomic Theory 1.              | 3       |
| ECON 620 | Macroeconomic Theory 1.              | 3       |
| ECON 634 | Economic Development 3.              | 3       |
| ECON 661 | Applied Time-Series and Forecasting. | 3       |
| ECON 664 | Applied Cross-Sectional Methods.     | 3       |
| ECON 665 | Quantitative Methods.                | 3       |
| ECON 734 | Economic Development 4.              | 3       |
| INTD 657 | Development Studies Seminar.         | 3       |



## Complementary Courses (3 credits)

3 credits at the 500, 600, or 700 level, related to development studies [excluding ECON 662, ECON 662D1, ECON 662D2, and ECON 663].

## Economics (Non-Thesis): Population Dynamics (M.A.) (45 credits)

**Offered by:** Economics (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

This program is currently not offered.

The Population Dynamics Option (PDO) is open to M.A. (non-thesis) students in Economics specializing in Population Dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and a course in microeconomic methods relevant for population studies. In addition, students will take one complementary course in Economics, which focuses on a particular population issue such as population health, migration, aging, family dynamics, and labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Research topics must be related to population dynamics and approved by the PDO coordinating committee.

## Research Project (18 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| ECON 650 | Research 1.    | 3       |
| ECON 651 | Research 2.    | 3       |
| ECON 680 | M.A. Report 1. | 3       |
| ECON 681 | M.A. Report 2. | 3       |
| ECON 682 | M.A. Report 3. | 3       |
| ECON 683 | M.A. Report 4. | 3       |

## Required Courses (21 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ECON 610 | Microeconomic Theory 1.              | 3       |
| ECON 620 | Macroeconomic Theory 1.              | 3       |
| ECON 661 | Applied Time-Series and Forecasting. | 3       |
| ECON 664 | Applied Cross-Sectional Methods.     | 3       |
| ECON 665 | Quantitative Methods.                | 3       |
| ECON 742 | Empirical Microeconomics.            | 3       |
| SOCI 626 | Demographic Methods.                 | 3       |

## Complementary Courses (6 credits)

3 credits related to population dynamics course from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| ECON 634 | Economic Development 3.   | 3       |
| ECON 641 | Labour Economics.         | 3       |
| ECON 734 | Economic Development 4.   | 3       |
| ECON 744 | Health Economics.         | 3       |
| SOCI 502 | Sociology of Childbearing | 3       |

3 credits from the following (a course in the same/approved field, chosen in consultation with the student's supervisor):

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| ECON 510 | Experimental Economics.                         | 3       |
| ECON 525 | Project Analysis.                               | 3       |
| ECON 546 | Game Theory.                                    | 3       |
| ECON 624 | International Economics.                        | 3       |
| ECON 625 | Economics of Natural Resources.                 | 3       |
| ECON 634 | Economic Development 3.                         | 3       |
| ECON 637 | Industrial Organization and Regulation.         | 3       |
| ECON 641 | Labour Economics.                               | 3       |
| ECON 647 | Applied Computational Economics.                | 3       |
| ECON 654 | Research Methods in Economics.                  | 3       |
| ECON 688 | Seminar on Social Statistics.                   | 3       |
| ECON 706 | Selected Topics.                                | 3       |
| ECON 710 | Selected Topics in Economics.                   | 3       |
| ECON 724 | International Economics.                        | 3       |
| ECON 726 | Topics in Environmental Economics.              | 3       |
| ECON 734 | Economic Development 4.                         | 3       |
| ECON 737 | Industrial Organization and Regulation Seminar. | 3       |
| ECON 741 | Advanced Labour Economics.                      | 3       |
| ECON 744 | Health Economics.                               | 3       |
| ECON 761 | Econometrics: Time Series Analysis.             | 3       |
| ECON 763 | Financial Econometrics.                         | 3       |
| ECON 765 | Models for Financial Economics.                 | 3       |

Courses may not be double counted for both the Population Dynamics complementary course and other complementary courses.

## Economics (Ph.D.)

**Offered by:** Economics (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Economics focuses on microeconomics, macroeconomics and econometrics. Specialization in three fields of economics is offered.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (20 credits)

Expand all Contract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| ECON 662 | Econometrics 1.                    | 3       |
| ECON 663 | Econometrics 2.                    | 3       |
| ECON 701 | Ph.D. Comprehensive Examination 1. | 0       |
| ECON 702 | Ph.D. Comprehensive Examination 2. | 0       |
| ECON 703 | Ph.D. Field 1 Synthesis.           | 0       |
| ECON 704 | Ph.D. Field 2 Synthesis.           | 0       |
| ECON 709 | Microeconomic Theory 3.            | 3       |
| ECON 711 | Microeconomic Theory 2.            | 3       |
| ECON 712 | Macroeconomic Theory 1.            | 3       |
| ECON 713 | Macroeconomic Theory 2.            | 3       |
| ECON 770 | PhD Research Seminar 1.            | 1       |
| ECON 771 | PhD Research Seminar 2.            | 1       |

## Elective Courses (18 credits)

18 credits of elective courses at the 600 level or higher in consultation with the Graduate Program Director.

## English About English

The Department of English at McGill is unique, in that its program brings together three different but related streams of study: Literature; Drama and Theatre; and Cultural Studies. Courses provide advanced instruction in the interpretation of texts in English from the medieval period to the contemporary moment, and in critical theory and diverse methods in literary, cultural, theatre, and performance studies. Graduate students are key participants in all areas of department life in their roles as students, supervisors, teaching assistants, research assistants, course instructors, representatives on the student association, and members of key committees including hiring committees. In addition to the diverse research of individual faculty members, several collaborative initiatives are housed in or supported by the department, including the Montreal International Poetry Prize, the Burney Centre, McGill Medievalists, TRaCE Transborder, ELTQ (English-Language Theatre in Quebec), Ciphers of the Times, Poetry

Matters, and NOVANOV (Novelists on the Art of the Novel). The active research culture of the department ensures its continuing status as top-ranked place to pursue the study English.

The English Department offers both **M.A.** and **Ph.D.** degrees. On average, there are 80 graduate students enrolled in the M.A. and Ph.D. programs each year.

The M.A. program admits 25 students each year from around the world. Unlike many other master's programs in English, the McGill M.A. culminates in a major piece of independent research, either a thesis or research paper, which is carried out under the supervision of a faculty member. Approximately half of McGill M.A. graduates go on to Ph.D. programs 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 five students each year from around the world. Doctoral students specialize in a broad range of fields within English studies.

All students who apply are considered for financial support, normally in the form of a scholarship that can be supplemented by Teaching or Research Assistantships.

The Department offers two options toward the M.A. degree; one thesis (45 credits), and the other non-thesis (48 credits). Both options are designed to be completed in four terms and both entail a substantial piece of independent research undertaken with the guidance of a supervisor. It is rare for any student pursuing the M.A. to complete the degree in less than two years, although in certain circumstances it is possible to do so in one year (Fall, Winter, and Summer terms) or in 16 months (Fall, Winter, Summer, and Fall terms). M.A. students must complete the program within three years.

## English Admission Requirements and Application Procedures

### Admission Requirements

#### M.A. Degree

Admission to the M.A. program requires a B.A. degree in English (honours or major) or its equivalent, with a very strong record of academic success (especially in the final two years of the B.A.). Typically, applicants will have solid training and coverage within their chosen area of theatre, cultural studies, or literature. Outstanding applicants from related disciplines may be invited to take a Qualifying year.

#### Ph.D. Degree

Admission to the doctoral program is highly competitive. Generally, outstanding students with the M.A. degree in hand apply to the doctoral program and are accepted into Ph.D. 2. In very rare circumstances, outstanding graduates of B.A. programs will be considered for "fast-tracking" into the doctoral program, entering at Ph.D. 1. For their first year, students follow the M.A. program (Thesis option) and, if their work is given a strong evaluation at the end of the first year, they then go on to complete the remaining requirements of the Ph.D. program.

## English Language Proficiency

English is the primary language of instruction and communication at McGill, graduate applicants must demonstrate an adequate level of proficiency in English, regardless of citizenship status or country

of origin. Review the accepted options of proof of proficiency and conditions where proof of proficiency is required.

## Application Procedures

Applications must be submitted online through McGill's Graduate Applicant Portal accessible via the Future Graduate Students website.

Refer to Applying to McGill on the Future Graduate Students website for detailed instructions on preparing and submitting an application.

**Note:** The English Department web page contains detailed instructions meant to help applicants complete the online application form in a way best suited to the Department's needs. See "How to Apply" at [mcgill.ca/english/graduate/apply](http://mcgill.ca/english/graduate/apply). Applicants are urged to read these departmental instructions closely and to keep them on hand as each section of the online application form is being completed and submitted.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Writing Sample
- Research Statement (750–800 words)
- List of Awards and Publications

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the English Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- English (Non-Thesis) (M.A.) (48 credits) (p. 139)
- English (Ph.D.) (p. 139)
- English (Thesis) (M.A.) (45 credits) (p. 138)

### Program Overview

In the **Master of Arts (M.A.) English (Thesis)** option, students must successfully complete ENGL 694 Graduate Research Seminar and five seminars, and write a thesis of 80–100 pages that adheres to the guidelines set 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 working on the thesis. When completed, the thesis is submitted to the Thesis Office and is reviewed by an External Examiner.

In the **Master of Arts (M.A.) English (Non-Thesis)** option, students must successfully complete ENGL 694 Graduate Research Seminar and seven seminars, and 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. Although the Non-Thesis (research paper) M.A. is designed to be completed in two years, some students complete the program in one year (Fall, Winter, and Summer terms) or in 16 months (Fall, Winter, Summer, and Fall terms).

Students with an M.A. in English or a closely related discipline may apply to the **Doctor of Philosophy (Ph.D.) English**. In their first year (Ph.D. 2), doctoral students are expected to complete the two halves of the compulsory proseminar: ENGL 787 Research Seminar 1 (taken in the Fall term) and ENGL 788 Research Seminar 2 (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 the two second-term seminars 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 this department, the Ph.D. comprehensive exam is covered by ENGL 797 Compulsory Research Project, to be completed in Ph.D. 3.

Doctoral students must 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 (colleges) or at universities.

## Location

Department of English  
Arts Building  
853 Sherbrooke St. W., Room 155  
Montréal, QC H3A 0G5

Telephone: 514-398-6564  
Email: [gradstudies.englishlit@mcgill.ca](mailto:gradstudies.englishlit@mcgill.ca)  
Website: [mcgill.ca/english](http://mcgill.ca/english)

## English (Thesis) (M.A.) (45 credits)

**Offered by:** English (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The Master of Arts in English; Thesis is an academic program in literary and cultural studies. The program focuses on the interpretation of texts in English from the medieval period to the contemporary moment, and in critical theory and diverse methodologies in literary, cultural, theatre, and performance studies. The program may be completed in three or four semesters (2 years).

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| ENGL 695 | M.A. Thesis Preparation. | 3       |
| ENGL 698 | M.A. Thesis 2.           | 21      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| ENGL 694 | Graduate Research Seminar. | 6       |

## Complementary Courses (15 credits)

15 credits of Departmental seminar courses at the 500, 600, or 700 level.

## English (Non-Thesis) (M.A.) (48 credits)

**Offered by:** English (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 48

## Program Description

The Master of Arts in English; Non-Thesis is an academic program in literary and cultural studies. The program focuses on the interpretation of texts in English from the medieval period to the contemporary moment, and in critical theory and diverse methodologies in literary, cultural, theatre, and performance studies. The program may be completed in three or four semesters (2 years).

## Research Project (18 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| ENGL 681 | M.A. Research Paper Preparation 1. | 3       |
| ENGL 682 | M.A. Research Paper Preparation 2. | 3       |
| ENGL 683 | M.A. Research Paper Preparation 3. | 3       |
| ENGL 684 | M.A. Research Paper.               | 9       |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| ENGL 693 | Research Methods.          | 3       |
| ENGL 694 | Graduate Research Seminar. | 6       |

## Complementary Courses (21 credits)

21 credits of Departmental seminar courses at the 500, 600, or 700 level.

## English (Ph.D.)

**Offered by:** English (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

The PhD in English focuses on research topics related to literature, drama and theatre, cultural studies, authorship and publishing, and critical theory.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| ENGL 701 | Comprehensive Examination. | 0       |
| ENGL 787 | Research Seminar 1.        | 3       |
| ENGL 788 | Research Seminar 2.        | 3       |
| ENGL 798 | Dissertation Proposal.     | 3       |

## Complementary Courses (12 credits)

0-12 credits of departmental seminars at the 500 level or higher.

0-12 credits from the following:

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| ENGL 796 | Research Project. | 6       |

Plus 6 credits of departmental seminars at the 500 level or higher.

## French Language and Literature

### Généralités: 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») et un M.A. avec option en études sur les femmes et le genre. Le DLLF accorde un financement à tous ses étudiants, ainsi que des assistantats 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 échange 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, québécoise et franco-canadienne, les littératures francophones du Sud, de même que sur une variété de sujets connexes tels que la théorie littéraire, l'histoire de la langue, et l'histoire des idées, 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 réalisés dans le cadre du .

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'annuaire 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 de la direction 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 retenu.

La note de passage est B- (65%).

## Ph. D. Programme

Le programme de Ph. D. comporte trois parties:

- Sclarité
- Élaboration du projet de thèse et Examen préliminaire
- Thèse

## Sclarité

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 (et) qui sont obligatoires.

*Ph. D. III:*

Élaboration du sujet de thèse (0 crédit) et Examen préliminaire (0 crédit).

Le projet de thèse est soumis au Comité des études de 2e et 3e cycles et de la recherche. Ensuite, 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 d'au moins trois professeurs (le comité-conseil).

*Ph. D. IV Thèse:*

Le comité-conseil, constitué au moment de l'Examen préliminaire, comprend le directeur de thèse et deux autres professeurs. Le rôle de ce comité-conseil est de suivre d'aussi 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 composé de cinq ou sept membres votants : le représentant de l'unité d'enseignement (directeur ou délégué), directeur(s) de thèse, l'examineur de thèse interne, un autre membre de l'unité, et un membre externe (qui ne fait pas partie de l'unité).

## Conditions d'admission au Département des littératures de langue française, de traduction et de création

### Conditions d'admission

#### Propédeutique

Peuvent être admis en Propédeutique les étudiants titulaires d'un B.A. qui ont une formation partielle en littérature, et 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 diplôme de 1er cycle universitaire (B.A.) avec majeur (ou spécialisation) en études et pratiques littéraires ou en traduction, ou encore d'un B.A. dont le contenu et le niveau doivent équivaloir au programme du B.A. avec majeure ou du B.A. avec spécialisation offert par le Département de langue et littérature françaises de l'Université McGill. En outre, le candidat devra avoir maintenu une moyenne générale de B+ (CGPA 3,3 sur 4,0) pendant ses études de 1er cycle universitaire.

#### 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 de recherche, 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.

## Demande d'admission

Le formulaire de demande d'admission par le web est disponible pour tous les candidats aux études supérieures à l'adresse suivante: [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).



Pour connaître les procédures détaillées relatives à l'ensemble des demandes d'admission, consultez Application Procedures (p. 53).

### Autres exigences

Les éléments et les éclaircissements ci-dessous sont des exigences supplémentaires fixées par ce département:

- Échantillon de travail écrit – les étudiants de l'extérieur du Département doivent fournir un échantillon de travail écrit, en français
- Projet de recherche
- Curriculum Vitae (pour être admis au programme de Ph. D.)

## Dates importantes et dates limites

Les dates d'ouverture de dépôt des demandes d'admission sont fixées par La Gestion de l'effectif étudiant en consultation avec Graduate and Postdoctoral Studies (GPS; Les Études supérieures et postdoctorales), tandis que les dates limites pour les demandes d'admission sont fixées par le Département des littératures de langue française, de traduction et de création et peuvent être révisées à tout moment sans préavis. Il est de la responsabilité du candidat de s'informer des dates limites et des documents requis pour soumettre une demande d'admission en consultant le site du Département des littératures de langue française, de traduction et de création. On trouvera sur la page suivante la liste des responsables des programmes d'études supérieures: [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Des informations sur les dates limites de candidature sont disponibles sur [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

L'admission aux études supérieures est sélective. Les dossiers d'admission soumis après la date limite ne seront évalués que si le temps le permet.

## Programmes disponibles

- Langue et littérature françaises (avec mémoire) (M.A.) (45 credits) (p. 141)
- Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (M.A.) (45 credits) (p. 141)
- Langue et littérature françaises (Ph.D.) (p. 142)
- Langue et littérature françaises (sans mémoire) (M.A.) (48 credits) (p. 142)
- Langue et littérature françaises: études sur les femmes et le genre (Ph.D.) (p. 143)

## Coordonnées

Département des littératures de langue française  
Pavillon des Arts McCall MacBain  
853, rue Sherbrooke Ouest, bureau 155  
Montréal, QC H3A 0G5

Téléphone: 514-398-3772  
Courriel: [info.dltc@mcgill.ca](mailto:info.dltc@mcgill.ca)  
Site web: [mcgill.ca/litterature/fr](http://mcgill.ca/litterature/fr)

## Langue et littérature françaises (avec mémoire) (M.A.) (45 credits)

**Offered by:** French Language & Literature (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

Le programme de «maîtrise ès arts en langue et littérature Françaises (avec mémoire)» porte sur l'histoire des littératures française et québécoise, les littératures francophones, de même que sur une variété de sujets connexes: genres littéraires, création littéraire, théorie, histoire de la langue, civilisation. Ce programme vise à favoriser l'apprentissage de la recherche et un début de spécialisation grâce à une initiation aux méthodes de la recherche littéraire et à divers travaux de recherche littéraire et à divers travaux de recherche réalisés sous la direction des professeur-e-s du Département. L'étudiant-e peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire. Le programme est offert à temps plein et à temps partiel. La durée des études de maîtrise est normalement de deux ans.

### Mémoire (24 crédits)

Expand allContract all

| Course   | Title        | Credits |
|----------|--------------|---------|
| FREN 699 | M.A. Thesis. | 24      |

### Cours obligatoires (6 crédits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| FREN 696 | Élaboration projet de mémoire        | 3       |
| FREN 697 | Méthodologie et théorie littéraires. | 3       |

### 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.

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| FREN 609 | Atelier de création littéraire. | 3       |
| FREN 611 | L'expérience littéraire.        | 3       |

## Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (M.A.) (45 credits)

**Offered by:** French Language & Literature

**Degree:** Master of Arts**Program credit weight:** 45

## Program Description

Le programme de « maîtrise ès arts en langue et littérature françaises (avec mémoire); « étude sur les femmes et le genre » (Gender and Women's Studies), est un programme pluridisciplinaire qui remplit en même temps toutes les exigences du programme de maîtrise avec mémoire du Département des littératures de langue française, de traduction et de création. Comme tel, il porte sur l'histoire des littératures française et québécoise, les littératures francophones, de même que sur une variété de sujets connexes: genres littéraires, création littéraire, théorie, histoire de la langue, civilisation. Il vise à favoriser l'apprentissage de la recherche et un début de spécialisation grâce à une initiation aux méthodes de la recherche littéraire et à divers travaux de recherche réalisés sous la direction des professeur-e-s du Département. L'étudiant-e peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire, sur un sujet explicitement lié au genre ou aux études sur les femmes. Le programme est offert à temps plein et à temps partiel. La durée des études de maîtrise est normalement de deux ans.

## Mémoire (24 crédits)

Expand allContract all

| Course   | Title        | Credits |
|----------|--------------|---------|
| FREN 699 | M.A. Thesis. | 24      |

## Cours obligatoires (9 crédits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| FREN 696 | Élaboration projet de mémoire        | 3       |
| FREN 697 | Méthodologie et théorie littéraires. | 3       |
| WMST 601 | Feminist Theories and Methods.       | 3       |

## Cours complémentaires

12 crédits au 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.

## Langue et littérature françaises (sans mémoire) (M.A.) (48 credits)

**Offered by:** French Language & Literature**Degree:** Master of Arts**Program credit weight:** 48

## Program Description

Le programme de « maîtrise ès arts en langue et littérature françaises (sans mémoire) » porte sur l'histoire des littératures française et québécoise, les littératures francophones, de même que sur une variété de sujets connexes: genres littéraires, création littéraire,

théorie, histoire de la langue, civilisation. Ce programme vise à favoriser l'apprentissage de la recherche grâce à une initiation aux méthodes de la recherche littéraire et à divers travaux de recherche réalisés sous la direction des professeur-e-s du Département. Le programme est offert à temps plein et à temps partiel. La durée des études de maîtrise est normalement de deux ans.

## Projet de recherche (18 crédits)

Les étudiants complètent le programme de maîtrise en rédigeant trois travaux de recherche.

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| FREN 698 | Master's Seminar. | 18      |

## Cours obligatoires (6 crédits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| FREN 600 | Travaux dirigés 1.                   | 3       |
| FREN 697 | Méthodologie et théorie littéraires. | 3       |

## 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.

## Langue et littérature françaises (Ph.D.)

**Offered by:** French Language & Literature**Degree:** Doctor of Philosophy

## Program Description

Le programme de « doctorat en langue et littérature françaises » est axé avant tout sur la recherche, c'est-à-dire sur la production d'une thèse qui représente une contribution significative à l'avancement des connaissances. La thèse doit démontrer que l'étudiante.e a reçu une solide formation en critique littéraire, que son savoir, sa maîtrise des documents et d'une méthode lui ouvrent une carrière sérieuse de chercheur.euse et de professeur.e. Il s'agit d'une composition originale, ce qui n'exclut pas le renouvellement d'un sujet déjà traité. Le candidat ou la candidate doit prouver par ce travail qu'il ou elle a acquis une compétence méthodologique suffisante, qu'il ou elle sait délimiter un champ de réflexion, distinguer l'essentiel de l'accessoire, établir et utiliser une bibliographie exhaustive et manier la langue avec justesse. Le programme est conçu pour durer quatre ans.

## Thèse

Une thèse de doctorat doit constituer une recherche inédite et représenter un apport distinct au savoir. Elle doit témoigner de la connaissance des travaux antérieurs réalisés dans le domaine et montrer la capacité de planifier et d'accomplir la recherche, d'organiser les résultats et de défendre la démarche et les conclusions de manière savante. Le travail de recherche présenté doit correspondre aux normes actuelles de la discipline; la thèse doit en outre clairement

montrer comment son contenu fait progresser les connaissances dans le domaine. Enfin, la thèse doit être rédigée conformément aux normes d'expression universitaire et savante et de publication dans le domaine public.

## Cours obligatoires (3 crédits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| FREN 706 | Élaboration du sujet de thèse. | 0       |
| FREN 707 | Examen préliminaire.           | 0       |
| FREN 710 | Séminaire de doctorat 1.       | 1.5     |
| FREN 711 | Séminaire de doctorat 2        | 1.5     |

## Cours complémentaires (6 ou 9 crédits)

6 ou 9 crédits de séminaires au choix de niveau 600 ou plus.

## Cours optionnel (0 ou 3 crédits)

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 le Catalogue de cours des Études supérieures et postdoctorales) 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.

## Langue et littérature françaises: études sur les femmes et le genre (Ph.D.)

**Offered by:** French Language & Literature

**Degree:** Doctor of Philosophy

## Program Description

Le programme de « doctorat en langue et littérature françaises; études sur les femmes et le genre » (Gender and Women's Studies) est un programme pluridisciplinaire portant sur des questions reliées au genre et aux recherches et méthodologies féministes, et que remplit en même temps toutes les exigences du programme de doctorat du Département des littératures de langue française, de traduction et de création. Comme tel, il est axé avant tout sur la recherche, c'est-à-dire sur la production d'une thèse qui représente une contribution significative à l'avancement des connaissances et qui doit porter sur un sujet explicitement lié au genre ou aux études sur les femmes. La thèse doit démontrer que l'étudiant.e a reçu une solide formation en critique littéraire, que son savoir, sa maîtrise des documents et d'une méthode lui ouvrent une carrière sérieuse de chercheur.euse et de professeur.e. Il s'agit d'une composition originale, ce que n'exclut pas le renouvellement d'un sujet déjà traité. Le candidat ou la candidate doit prouver par ce travail qu'il ou elle a acquis une compétence méthodologique suffisante, qu'il ou elle sait délimiter un champ de réflexion, distinguer l'essentiel de l'accessoire, établir et utiliser une bibliographie exhaustive et manier la langue avec justesse. Le programme est conçu pour durer quatre ans.

## Thèse

Une thèse de doctorat doit constituer une recherche inédite et représenter un apport distinct au savoir. Elle doit témoigner de la connaissance des travaux antérieurs réalisés dans le domaine et montrer la capacité de planifier et d'accomplir la recherche, d'organiser les résultats et de défendre la démarche et les conclusions de manière savante. Le travail de recherche présenté doit correspondre aux normes actuelles de la discipline; la thèse doit en outre clairement montrer comment son contenu fait progresser les connaissances dans le domaine. Enfin, la thèse doit être rédigée conformément aux normes d'expression universitaire et savante et de publication dans le domaine public.

## Cours obligatoires (9 crédits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| FREN 706 | Élaboration du sujet de thèse. | 0       |
| FREN 707 | Examen préliminaire.           | 0       |
| FREN 710 | Séminaire de doctorat 1.       | 1.5     |
| FREN 711 | Séminaire de doctorat 2        | 1.5     |
| WMST 601 | Feminist Theories and Methods. | 3       |
| WMST 602 | Feminist Research Symposium.   | 3       |

## 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.

## Geography

### About Geography

The Department of Geography offers research and thesis-based graduate programs leading to a **Master of Arts (M.A.)**, a **Master of Science (M.Sc.)**, or 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 Development;
- Geographic Information Systems and Remote Sensing;
- Land Surface Processes, Ecosystem Biogeochemistry, and Ecohydrology;
- Earth System Science and Global Change;
- Sustainability Science and Environmental Management.

The Department of Geography houses McGill's Geographic Information Centre (GIC), maintains Arctic and Sub-Arctic field stations, and has strong ties with McGill's Bieler School of Environment (p. 319). 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 Africa, Southeast Asia, and Latin America.

Being both a natural and a social science, geography provides a unique opportunity to obtain a broad interdisciplinary 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 obtain a career in one of 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, policy analysts, and physical scientists in government agencies and research councils, 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 to learn more about the advantages of having a geography degree from McGill.

Master's degrees in both the physical sciences (M.Sc.) and social sciences (M.A.) are offered by the Department of Geography. The foundation 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, required, and complementary graduate (500- or 600-level) courses.

The Department, in collaboration with various McGill departments and programs, offers a number of M.A. and M.Sc. programs for students. To complete their program, students must pass the courses specified for their chosen program, attend any additional courses deemed necessary by the Graduate Program Director and the student's thesis supervisor, and submit a thesis in an appropriate area of geographical inquiry approved by the supervisor.

## McGill Northern Research Stations

The Faculty of Science, in collaboration with the Department of Geography operates two northern research field stations. The McGill Sub-Arctic Research Station (MSARS) is located in Schefferville, in the centre of Quebec-Labrador. The McGill Arctic Research Station (MARS) is located at Expedition Fiord on Axel Heiberg Island in the High Arctic. These facilities support field research in most areas of physical geography, including glaciology, permafrost hydrology, and geomorphology in the Arctic, and some areas of human geography in the Sub-Arctic. For additional information on these stations, contact the Graduate Program Coordinator at [grad.geog@mcgill.ca](mailto:grad.geog@mcgill.ca).

# Geography Admission Requirements and Application Procedures

## Admission Requirements

### M.A. and M.Sc. Degrees

Applicants not satisfying the conditions set out in Graduate Admissions and Application Procedures (p. 53), but with primary undergraduate specialization in a cognate field, may be admitted to the M.A. or M.Sc. degree in Geography under certain circumstances. In general, applicants 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 or a related discipline (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 first holding a master's degree. Students who have deficiencies in their academic preparation but are otherwise deemed acceptable will be required to register for a year of coursework and/or 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 fields, which cover a wide range of systematic areas, are listed in documents available from the Department.

## English Language Proficiency

Graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree at a recognized Canadian or American (English- or French-language) institution, or at a recognized foreign institution where English is the language of instruction, must provide documented proof of English language proficiency prior to admission. For a list of acceptable tests, minimum score requirements, and exemptions, visit English language proficiency web page.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

Further departmental application information is listed at [mcgill.ca/geography/graduate](http://mcgill.ca/geography/graduate).

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Research Proposal
- Letters of Reference – **two** references required for M.A. and M.Sc. programs; **three** references required for Ph.D. program
- Curriculum Vitae

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Geography Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Geography (Ph.D.) (p. 147)
- Geography (Thesis) (M.A.) (45 credits) (p. 145)



- Geography (Thesis): Development Studies (M.A.) (45 credits) (p. 145)
- Geography (Thesis): Environment (M.A.) (45 credits) (p. 145)
- Geography (Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 146)
- Geography (Thesis): Neotropical Environment (M.A.) (45 credits) (p. 146)
- Geography: Environment (Ph.D.) (p. 147)
- Geography: Gender and Women's Studies (Ph.D.) (p. 148)
- Geography: Neotropical Environment (Ph.D.) (p. 148)

## Location

Department of Geography  
Burnside Hall  
805 Sherbrooke St. W., Room 305  
Montréal, QC H3A 0B9

Telephone: 514-438-4111  
Email: grad.geog@mcgill.ca  
Website: mcgill.ca/geography

## Geography (Thesis) (M.A.) (45 credits)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The Master of Arts in Geography; Thesis is a research-based program of 45 credits. The program provides the opportunity to conduct research, including field-based studies, focusing on the social sciences and includes supervision by a faculty member. Research themes reflect the expertise and interests of current faculty members. A thesis, based on original research, is required.

## Thesis Courses (30 credits)

| Expand allContract all |                  |         |
|------------------------|------------------|---------|
| Course                 | Title            | Credits |
| GEOG 698               | Thesis Proposal. | 6       |
| GEOG 699               | Thesis Research. | 24      |

## Required Courses (3 credits)

| Expand allContract all |                                   |         |
|------------------------|-----------------------------------|---------|
| Course                 | Title                             | Credits |
| GEOG 631               | Methods of Geographical Research. | 3       |

## 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 Thesis Preparation. can count among these complementary credits for students with an appropriate background.

## Geography (Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The Master of Arts in Geography; Thesis – Development Studies is a research-based program of 45 credits. The program focuses on international development issues in geography. The thesis must be on a topic that relates to both development studies and geography, approved by the overseeing coordinating committee.

## Thesis Courses (30 credits)

| Expand allContract all |                  |         |
|------------------------|------------------|---------|
| Course                 | Title            | Credits |
| GEOG 698               | Thesis Proposal. | 6       |
| GEOG 699               | Thesis Research. | 24      |

## Required Courses (6 credits)

| Expand allContract all |                                   |         |
|------------------------|-----------------------------------|---------|
| Course                 | Title                             | Credits |
| GEOG 631               | Methods of Geographical Research. | 3       |
| INTD 657               | Development Studies Seminar.      | 3       |

## 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 Thesis Preparation. can count among these complementary credits for students with an appropriate background.

## Geography (Thesis): Environment (M.A.) (45 credits)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The Master of Arts in Geography; Thesis – Environment is a research-based program of 45 credits. This program is offered in collaboration with the Bieler School of Environment (BSE). The program focuses on the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments.

The thesis must be on a topic that relates to both the environment and geography.



## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| GEOG 697 | Thesis Research (Environment Option). | 18      |
| GEOG 698 | Thesis Proposal.                      | 6       |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| ENVR 650 | Environmental Seminar 1.             | 1       |
| ENVR 651 | Environmental Seminar 2.             | 1       |
| ENVR 652 | Environmental Seminar 3.             | 1       |
| GEOG 631 | Methods of Geographical Research.    | 3       |

## Complementary Courses (12 credits)

9 credits of courses at the 500 level or higher selected according to guidelines of the Department. GEOG 696 Thesis Preparation. can count among these complementary credits for students with an appropriate background.

3 credits, one course chosen from one of the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| ENVR 620 | Environment and Health of Species. | 3       |
| ENVR 630 | Civilization and Environment.      | 3       |
| ENVR 680 | Topics in Environment 4.           | 3       |

or another course at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Geography (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Geography (Faculty of Science)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts in Geography; Thesis – Gender and Women's Studies is a research-based program of 45 credits. The program focuses on interdisciplinary gender and women's studies and issues in feminist research and methods. The thesis must be on a topic that relates to both gender and women's studies and geography.

Note: Candidates for the M.A. degree follow an individual program approved by the Department.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| GEOG 698 | Thesis Proposal. | 6       |
| GEOG 699 | Thesis Research. | 24      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| GEOG 631 | Methods of Geographical Research. | 3       |
| WMST 601 | Feminist Theories and Methods.    | 3       |

## Complementary Courses (9 credits)

6 credits at the 500 level or above in Geography. GEOG 696 Thesis Preparation. can count among these complementary credits for students with an appropriate background.

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

OR one 3-credit graduate course on gender/women's issues.

## Geography (Thesis): Neotropical Environment (M.A.) (45 credits)

**Offered by:** Geography (Faculty of Science)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts in Geography; Thesis – Neotropical Environment is a research-based program of 45 credits. The program is offered in collaboration with the Bieler School of Environment and the Smithsonian Tropical Research Institute (STRI- Panama). The program is focused on environmental issues relevant to the Neotropics and Latin American countries including thematic areas such as geography, environment, biology, agricultural sciences, sociology, and political science. The program favours interdisciplinary approaches to research and learning through the participation of researchers from McGill University and from STRI. Some research and teaching is conducted in Latin America and Panama. The thesis must be on a topic that relates to both the neotropical environment and geography.

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| GEOG 698 | Thesis Proposal. | 6       |
| GEOG 699 | Thesis Research. | 24      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| GEOG 631 | Methods of Geographical Research.    | 3       |

## Complementary Course (3 credits)

3 credits, one Geography graduate course. GEOG 696 Thesis Preparation. 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.

## Geography (Ph.D.)

**Offered by:** Geography (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Geography is a research- based program that provides the opportunity to conduct research, including field-based studies, in both the natural (i.e., biophysical) and the social sciences and includes supervision by a faculty member. Research themes reflect the expertise and interests of current faculty members. A thesis, based on original research, is required.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| GEOG 631 | Methods of Geographical Research. | 3       |
| GEOG 700 | Comprehensive Examination 1.      | 0       |
| GEOG 701 | Comprehensive Examination 2.      | 0       |
| GEOG 702 | Comprehensive Examination 3.      | 0       |

## Complementary Courses

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

## Geography: Environment (Ph.D.)

**Offered by:** Geography (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

**\*\*This program is currently not offered.\*\***

The Doctor of Philosophy in Geography; Environment is a research-based program offered in collaboration with the Bieler School of Environment (BSE). The program focuses on the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. The thesis must be on a topic that relates to both the environment and geography.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |
| GEOG 631 | Methods of Geographical Research.                          | 3       |
| GEOG 700 | Comprehensive Examination 1.                               | 0       |
| GEOG 701 | Comprehensive Examination 2.                               | 0       |
| GEOG 702 | Comprehensive Examination 3.                               | 0       |

## Complementary Courses (9 credits)

3-6 credits chosen from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits chosen from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

0-3 credits of Geography course at the 500 level or higher selected according to the guidelines of the Department.

# Geography: Gender and Women's Studies (Ph.D.)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Geography; Gender and Women's Studies is a research-based program that focuses on interdisciplinary gender and women's studies and issues in feminist research and methods. The thesis must be on a topic that relates to both gender and women's studies and geography.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| GEOG 631 | Methods of Geographical Research. | 3       |
| GEOG 700 | Comprehensive Examination 1.      | 0       |
| GEOG 701 | Comprehensive Examination 2.      | 0       |
| GEOG 702 | Comprehensive Examination 3.      | 0       |
| WMST 601 | Feminist Theories and Methods.    | 3       |
| WMST 602 | Feminist Research Symposium.      | 3       |

## 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.

# Geography: Neotropical Environment (Ph.D.)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Geography; Neotropical Environment is a research-based program offered in collaboration with the Bieler School of Environment and the Smithsonian Tropical Research Institute (STRI-Panama). The program is focused on environmental issues relevant to the Neotropics and Latin American countries including thematic areas such as geography, environment, biology, agricultural sciences, sociology, and political science. The program favours interdisciplinary approaches to research and learning through the participation of researchers from McGill University and from STRI. Some research and teaching is conducted in Latin America and Panama. The thesis must be on a topic that relates to both the neotropical environment and geography.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| GEOG 631 | Methods of Geographical Research.    | 3       |
| GEOG 700 | Comprehensive Examination 1.         | 0       |
| GEOG 701 | Comprehensive Examination 2.         | 0       |
| GEOG 702 | Comprehensive Examination 3.         | 0       |

## 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.

## History and Classical Studies

### 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 science;

and newer fields such as:

- the history of gender and sexuality;
- the history of the Atlantic and Indian Ocean worlds;
- global history.

The Department offers interdisciplinary options in developmental studies and gender and women's studies at the M.A. level. The Department is composed of 40 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 ongoing investigations are supported by the Social Sciences and Humanities Research Council of Canada (SSHRC), the FRQSC, CFI, the Killam Trusts, 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*—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.

## History and Classical Studies Admission Requirements and Application Procedures

### Admission Requirements

- A minimum cumulative grade point average (CGPA) of 3.3/4.0 is required.
- Applicants should have a reading knowledge of the language(s) needed for research purposes. There are opportunities to build on existing proficiency.
- Applicants need to meet McGill's English proficiency requirements.

### Master of Arts (History)

1. Normally, candidates are required to possess a B.A. (Honours) in History consisting of 60 credits in history. However, students with other undergraduate history degrees (normally including serious research components) may be considered eligible.
2. A minimum CGPA of 3.3/4.0 (B+) in your undergraduate degree is required.

### Master of Arts (History) – Development Studies Option

Students have the same admission requirements as above. In the case of the Development Studies concentration, acceptance in the

History M.A. program does not automatically entail acceptance in the concentration.

### Master of Arts (History) – Gender and Women's Studies Option

Students have the same admission requirements as above.

### Ph.D. in History

Normally, applicants are expected to hold an M.A. in History (students choosing the field of History of Medicine normally enter with an M.A. in the History of Medicine).

### Master of Arts (Classics)

Candidates are required to have a B.A. (Honours) in Classics or equivalent.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

Refer to the Department of History and Classical Studies website for detailed information.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of History and Classical Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Classics (Non-Thesis) (M.A.) (45 credits) (p. 151)
- Classics (Thesis) (M.A.) (45 credits) (p. 152)
- History (Ph.D.) (p. 151)
- History (Thesis) (M.A.) (45 credits) (p. 150)
- History (Thesis): Development Studies (M.A.) (45 credits) (p. 150)
- History (Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 151)

## Program Overview

The **M.A. in History** program is built around a 3-credit, co-taught Research Seminar, which is required of all incoming students, as well as complementary courses. A range of dedicated but rotating 600-level complementary courses is offered each year, reflecting areas of interest among the Department's faculty. Besides coursework, students will produce a thesis under the supervision of one or more faculty members. The program aims to hone students' skills in research, critical thinking, and analytical writing. It can be taken in preparation for

a possible Ph.D. program or for a wide range of non-academic career options. The program is designed to be completed in one year but may be extended into a second year. Students can earn their degree in History alone, or with an interdisciplinary concentration in Gender and Women's Studies or in Development Studies. In the case of the Development Studies concentration, acceptance into the History M.A. program does not automatically entail acceptance in the concentration. With or without a concentration, the degree consists of 45 credits.

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 strong proficiency in 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.

## Location

Department of History and Classical Studies  
Stephen Leacock Building, 7th floor  
855 Sherbrooke St. W.  
Montréal, QC H3A 2T7

Email: [graduate.hcs@mcgill.ca](mailto:graduate.hcs@mcgill.ca)

### Websites

Studies in History: [mcgill.ca/history/graduate](http://mcgill.ca/history/graduate)  
Classical Studies: [mcgill.ca/classics/graduate-studies](http://mcgill.ca/classics/graduate-studies)

## History (Thesis) (M.A.) (45 credits)

**Offered by:** History and Classical Studies (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The M.A. in History (Thesis) offers a broad grounding in historical methods and historiography, as well as research training in a specific historical subject.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| HIST 601 | Research Seminar.  | 3       |
| HIST 696 | Thesis Research 1. | 6       |
| HIST 697 | Thesis Research 2. | 6       |
| HIST 698 | Thesis Research 3. | 15      |

## Complementary Courses (15 credits)

15 credits at the 500, 600, or 700 level; credits at the 500 level are normally to be taken as 3-credit courses.

Up to 6 credits of non-HIST courses may be taken outside the Department.

## History (Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** History and Classical Studies (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The Master of Arts (M.A.) History (Thesis): Development Studies offers advanced training in the practice of History as an academic discipline, with an emphasis on international development. It aims to develop critical reading, writing and research skills through broad theoretical reflections on the field of history, specialized courses that include courses in Development Studies, and a thesis on a topic related to international development. The program is designed so that it can be completed in one year.

## Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| HIST 696 | Thesis Research 1. | 6       |
| HIST 697 | Thesis Research 2. | 6       |
| HIST 698 | Thesis Research 3. | 15      |

## Required Course (6 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| HIST 601 | Research Seminar.            | 3       |
| INTD 657 | Development Studies Seminar. | 3       |

## Complementary Courses (12 credits)

12 credits at the 500, 600, or 700 level selected as follows:

6 credits relating to developmental studies;

Up to 6 credits of non-HIST courses may be taken outside the Department.

Credits at the 500 level are normally to be taken as 3-credit courses.



## History (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** History and Classical Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The Master of Arts (M.A.) History (Thesis): Gender & Women's Studies offers advanced training in the practice of History as an academic discipline, with an emphasis on feminist, women's, and gender studies. It aims to develop critical reading, writing, and research skills through broad theoretical reflections on the field of history, specialized courses that include courses in Gender & Women's Studies, and a thesis. The program is designed so that it can be completed in one year.

### Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| HIST 696 | Thesis Research 1. | 6       |
| HIST 697 | Thesis Research 2. | 6       |
| HIST 698 | Thesis Research 3. | 15      |

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| HIST 601 | Research Seminar.              | 3       |
| WMST 601 | Feminist Theories and Methods. | 3       |

### Complementary Courses (12 credits)

12 credits at the 500, 600, or 700 level, selected as follows:

3 credits on gender-related issues;

Up to 6 credits of non-HIST courses may be taken outside the Department.

Credits at the 500 level are normally to be taken as 3-credit courses.

## History (Ph.D.)

**Offered by:** History and Classical Studies (Faculty of Arts)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in History focuses on how to understand the past through a combination of intensive primary source research and deep familiarity with the relevant historiography, including the techniques of historical research and interpretation. It requires specialization in three fields of historical inquiry and a Ph.D. thesis research project.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| HIST 701 | Doctoral Seminar.                               | 3       |
| HIST 702 | Comprehensive Examination - Major Field.        | 0       |
| HIST 703 | Comprehensive Examination - First Minor Field.  | 0       |
| HIST 704 | Comprehensive Examination - Second Minor Field. | 0       |

### 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.

### 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.

## Classics (Non-Thesis) (M.A.) (45 credits)

**Offered by:** History and Classical Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

**\*\*This program is currently not offered.\*\***

The M.A. in Classics; Non-Thesis offers advanced training in the scholarly discipline of classical studies in a variety of fields. The program aims to develop proficiency both in technical areas of the discipline, especially Ancient Greek and Latin languages, and in critical reading, writing, and research skills. This program may be completed in three terms, but it is normally completed in two years.

### Research Project (18 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| CLAS 681 | M.A.Research Project 1. | 6       |
| CLAS 682 | M.A.Research Project 2. | 6       |
| CLAS 683 | M.A.Research Project 3. | 6       |

Required Courses (18 credits)

| Expand allContract all |                                       |         |
|------------------------|---------------------------------------|---------|
| Course                 | Title                                 | Credits |
| CLAS 500               | Classics Seminar.                     | 3       |
| CLAS 610               | Readings in Latin Literature.         | 3       |
| CLAS 612               | Topics in Latin Literature.           | 3       |
| CLAS 620               | Readings in Ancient Greek Literature. | 3       |
| CLAS 622               | Topics in Ancient Greek Literature.   | 3       |
| CLAS 685               | Methods Seminar.                      | 3       |

Complementary Courses (9 credits)

9 credits of 500-level or 600-level courses in Classics, Ancient History, or another classics-related discipline. Classics-related courses must be chosen in consultation with the classics graduate advisor.

A maximum of 6 credits of complementary courses may be taken outside the Department of History and Classical Studies, unless approved by the Classical Studies Committee.

Examinations

Each candidate for the MA degree must pass three exams: Ancient Greek translation, Latin translation, and classical literature. The exams will be based on a set reading list of classical texts and scholarship. The translation exams will test the student’s mastery of ancient Greek and Latin; it is assumed students will require advanced proficiency in each language to pass the relevant exam. The classical literature exam will test the student’s general knowledge of important authors and texts in translation and classical scholarship.

All exams will be marked pass/fail and may be taken more than once.

Exams will be taken as 0-credit courses, comparable to PhD comps exams.

Exams must be passed within two years of starting the program and within three attempts, or the student will not be allowed to continue in the program.

Classics (Thesis) (M.A.) (45 credits)

**Offered by:** History and Classical Studies (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

Program Description

The M.A. in Classics (Thesis) emphasizes the writing of a major research project. This program is designed for students who are already highly proficient in ancient languages, have a strong foundation in classical studies, and can work independently. This program is designed

to be completed in three terms, though many students prefer to complete it in two years.

Thesis Courses (24 credits)

| Expand allContract all |                         |         |
|------------------------|-------------------------|---------|
| Course                 | Title                   | Credits |
| CLAS 695               | M.A. Thesis Proposal.   | 6       |
| CLAS 696               | M.A. Thesis Research 1. | 6       |
| CLAS 697               | M.A. Thesis Research 2. | 6       |
| CLAS 698               | M.A. Thesis Submission. | 6       |

Required Courses (6 credits)

| Expand allContract all |                   |         |
|------------------------|-------------------|---------|
| Course                 | Title             | Credits |
| CLAS 500               | Classics Seminar. | 3       |
| CLAS 685               | Methods Seminar.  | 3       |

Complementary Courses (15 credits)

12 credits of 600-level Ancient Greek and Latin courses as follows.

3 credits of Classics (CLAS) or Classics-related courses (500-level or higher). Classics-related courses must be chosen in consultation with the student’s supervisor.

3-9 credits from the following:

| Expand allContract all |                                            |         |
|------------------------|--------------------------------------------|---------|
| Course                 | Title                                      | Credits |
| CLAS 610               | Readings in Latin Literature. <sup>1</sup> | 3       |
| CLAS 612               | Topics in Latin Literature. <sup>1</sup>   | 3       |

1 These courses may be taken in more than one term under different topics.

3-9 credits from the following:

| Expand allContract all |                                                    |         |
|------------------------|----------------------------------------------------|---------|
| Course                 | Title                                              | Credits |
| CLAS 620               | Readings in Ancient Greek Literature. <sup>1</sup> | 3       |
| CLAS 622               | Topics in Ancient Greek Literature. <sup>1</sup>   | 3       |

1 These courses may be taken in more than one term under different topics.

Examinations

Each candidate for the MA degree must pass three exams: Ancient Greek translation, Latin translation, and classical literature. The exams will be based on a set reading list of classical texts and scholarship. The translation exams will test the student’s mastery of ancient Greek and Latin; it is assumed students will require advanced proficiency in each language to pass the relevant exam. The classical literature exam will test the student’s general knowledge of important authors and texts in translation and classical scholarship.

All exams will be marked pass/fail and may be taken more than once.

Exams will be taken as 0-credit courses, comparable to PhD comps exams.

Exams must be passed within two years of starting the program and within three attempts, or the student will not be allowed to continue in the program.

## Information Studies

### About Information Studies

The School of Information Studies (SIS) is a dynamic teaching and research unit engaged in the education of information professionals and scholars. The School educates individuals who make a difference in the management and design of information resources, services, and systems; finding better ways to manage, organize, access, disseminate, use, and preserve information and recorded knowledge from a human-centred perspective. As the pioneer school of its kind in Canada, SIS has been offering programs at McGill since 1897, with continuous accreditation of professional programs by the American Library Association (ALA) since 1929.

### Programs of Study

The School offers programs at the graduate level, including a Master of Information Studies and Ph.D. in Information Studies. For more information about current program offerings, please visit the School's website at [mcgill.ca/sis/programs](http://mcgill.ca/sis/programs).

Research at the School is conducted in the broad domain of human-information interaction (HII), which includes three research areas:

- human-computer interaction
- information behaviour and services
- information and knowledge management

Research projects address such topics as data mining, digital curation, information behaviour, information classification, information literacy, information preservation, knowledge management, multisensory information, and user experience.

For complete information about the School of Information Studies, please see the School's website at [mcgill.ca/sis](http://mcgill.ca/sis).

## Information Studies Admission Requirements and Application Procedures

### Admission Requirements

#### Master of Information Studies (M.I.St.)

1. Applicants must have a bachelor's degree from a recognized university. The applicant must present evidence of academic achievement: a minimum Standing equivalent to a McGill cumulative grade point average (CGPA) of 3.0/4.0 or a grade point average (GPA) of 3.2/4.0 for the last two full-time academic years.

**Note:** 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.I.St.

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 100 on the Internet-based test (iBT), 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. For more information about proof of proficiency, refer to the Admissions section of the School's website.

#### 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 to Ph.D. 2.

An applicant with a master's degree in another field may be considered for admission to Ph.D. 2, but may 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.

The applicant must present evidence of academic achievement: a minimum Standing equivalent to a McGill cumulative grade point average (CGPA) of 3.0/4.0 or a grade point average (GPA) of 3.2/4.0 for the last two full-time academic years.

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 100 on the Internet-based test (iBT), 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. For more information about proof of proficiency, refer to the Admissions section of the School's website.

## **Graduate Certificate in Digital Archives Management; Graduate Certificate in Information and Knowledge Management; and Graduate Certificate in Information Architecture and Design**

1. Applicants must have a bachelor's degree from a recognized university. The applicant must present evidence of academic achievement: a minimum Standing equivalent to a McGill cumulative grade point average (CGPA) of 3.0/4.0 or a grade point average (GPA) of 3.2/4.0 for the last two full-time academic years.
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 100 on the Internet-based test (iBT), 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. For more information about proof of proficiency, refer to the Admissions section of the School's website.

## **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 their master's degree.
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 100 on the Internet-based test (iBT), 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. For more information about proof of proficiency, refer to the Admissions section of the School's website.

## **Online Graduate Certificate in Cybersecurity**

1. Bachelor's degree or graduate degree in information studies, computer science, information technology, software engineering, management information systems, or related area from a recognized university; Academic Standing of at least a B. Applicants should be graduates of a recognized university and hold a bachelor's degree or a graduate degree in information studies, computer science, information technology, software engineering, management information systems, or related area of recognized reputation. Academic Standing of at least a B, or 2nd class, upper division, or Cumulative Grade Point Average (CGPA) of 3.0/4.0 is normally required. International students: If you have obtained your

educational credentials at an institution outside of Canada, they will be assessed for equivalency with a McGill University degree. Please consult the Educational Credentials and Grade Equivalencies page for more information.

2. English-language proficiency: Documented proof of proficiency in oral and written English is required by all applicants whose mother tongue is not English, AND who have not obtained (or are about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction. See the English language proficiency page for situations where proof of proficiency is normally not required. Such proof normally comprises the Test of English as a Foreign Language (TOEFL) with a minimum score of 86 overall (iBT Internet based TOEFL) with no less than 20 in each of the four component scores, or the International English Language Testing System (IELTS) with an overall band score of 6.5 or greater (Academic module). 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. McGill Institution Code: 0935.

## **Application Procedures**

Detailed graduate application procedures and McGill's online application form for graduate program candidates are available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

## **Additional Requirements**

The additional requirements for application are currently under review. For the latest information, please see the School's website.

## **Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Information Studies and may be revised at any time. Completed applications, including all supporting documentation (e.g., uploaded documents and references received from referees), are due by the appropriate deadline. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list on the School of Information Studies' site.

General information on application deadlines is available on the Future Graduate Students website.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## **Available Programs**

- Cloud and Operational Technology Security (Gr. Cert.) (15 credits) (p. 158)
- Cybersecurity (Gr. Cert.) (15 credits) (p. 158)
- Digital Archives Management (Gr. Cert.) (15 credits) (p. 159)
- Information and Knowledge Management (Gr. Cert.) (15 credits) (p. 159)
- Information Architecture and Design (Gr. Cert.) (15 credits) (p. 159)
- Information Studies (Non-Thesis): Course Work (M.I.St.) (48 credits) (p. 156)
- Information Studies (Non-Thesis): Project (M.I.St.) (48 credits) (p. 157)



- Information Studies (Ph.D.) (p. 158)
- Library and Information Studies (Gr. Cert.) (15 credits) (p. 160)

## Program Overview

### Master of Information Studies (M.I.St.) (Non-Thesis): Course Work (48 credits) (p. 156)

The Master of Information Studies (Non-Thesis): Course Work is a non-thesis course-based program accredited by the American Library Association. It is designed to prepare graduates for the broad field of information studies. The program is comprised of a set of required courses, and additional courses from areas of interest including: library studies, knowledge management, information and computer technologies, and archival studies, among others. The program provides the intellectual foundations for careers as information professionals; fosters competencies in managing information and knowledge resources; promotes the appropriate use of technology in meeting information needs; advocates the ideal of equal access to information; encourages research in the field of library and information studies; and cultivates commitment to professional service for individuals, organization, and society. After completion of the degree, students may choose to pursue a career in a related field or continue on to further academic studies.

### Master of Information Studies (M.I.St.) (Non-Thesis): Project (48 credits) (p. 157)

The Master of Information Studies – Project is a non-thesis program with a major research project, accredited by the American Library Association. It is designed to prepare graduates for the broad field of information studies. The program is comprised of a set of required courses, a research component, and additional courses from areas of interest including: library studies, knowledge management, information and computer technologies, and archival studies, among others. The program provides the intellectual foundations for careers as information professionals; fosters competencies in managing information and knowledge resources; promotes the appropriate use of technology in meeting information needs; advocates the ideal of equal access to information; encourages research in the field of library and information studies; and cultivates commitment to professional service for individuals, organization, and society. After completion of the degree, students may choose to pursue a career in a related field or continue on to further academic studies.

### Doctor of Philosophy (Ph.D.) Information Studies (p. 158)

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 human-information interaction (HII) in one of three research areas: human-computer interaction; information behaviour and services; and information and knowledge management.

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.

### Graduate Certificate (Gr. Cert.) Cybersecurity (15 credits) (p. 158)

The Graduate Certificate in Cybersecurity is an online program that focuses on the fundamental concepts of cybersecurity: threats, cryptography, and vulnerability; the types of cyber-attacks, how they are implemented, and commonly used hardening techniques and controls; threat and risk assessments at the network system, operating system, and software application levels; the security readiness of an organization; cybersecurity incidents and how to communicate them within an organization; policies to meet current security standards for an organization to adopt; ethical concerns in terms of security, privacy, and information guidelines, and policies within national and international contexts.

### Graduate Certificate (Gr. Cert.) Digital Archives Management (15 credits) (p. 159)

The Graduate Certificate in Digital Archives Management program is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in the areas of digital archives, digital curation, and digital content management. Courses focus on principles and practices in archival studies, digital curation, strategies for digital preservation, and enterprise content management. The program may be completed within two academic terms (Fall/Winter) or to a maximum of three years. Both Fall and Winter entry to the program are offered.

### Graduate Certificate (Gr. Cert.) Information Architecture and Design (15 credits) (p. 159)

The Graduate Certificate in Information Architecture and Design is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in public and private sectors as information architects and information designers. Courses focus on design and assessment of information systems, databases, websites, and interfaces. Techniques for data mining and issues related to information security are also covered. All courses are offered on-site at McGill University. The program may be completed within two academic terms (Fall/Winter) or to a maximum of three years. Both Fall and Winter entry are offered.

### Graduate Certificate (Gr. Cert.) Information and Knowledge Management (15 credits) (p. 159)

The Graduate Certificate in Information and Knowledge Management program is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in the areas of information and knowledge management. Courses focus on the information behaviour of individuals, networks, and organizations; the nature of tacit and explicit knowledge services; and strategies for identifying, capturing, organising, storing, sharing, and using knowledge. The program may be completed within two academic terms (Fall/Winter) or to a maximum of three years. Both Fall and Winter entry to the program are offered.



## Graduate Certificate (Gr. Cert.) Library and Information Studies (15 credits) (p. 160)

The Graduate Certificate in Library and Information Studies is a post-master's program designed to assist library and information professionals currently holding an American Library Association (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.

## Location

School of Information Studies  
3661 Peel St.  
Montréal, QC H3A 1X1

Telephone: 514-398-4204

Email: [studentaffairs.sis@mcgill.ca](mailto:studentaffairs.sis@mcgill.ca); for admissions inquiries:  
[admissions.sis@mcgill.ca](mailto:admissions.sis@mcgill.ca) ([admissions.sis@mcgill.ca](mailto:admissions.sis@mcgill.ca))

Website: [mcgill.ca/sis](http://mcgill.ca/sis)

## Information Studies (Non-Thesis): Course Work (M.I.St.) (48 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Degree:** MIST

**Program credit weight:** 48

## Program Description

The Master of Information Studies (Non-Thesis): Course Work is accredited by the American Library Association. The program focuses on the intellectual foundations for careers as information professionals, competencies in managing information and knowledge resources, equal access to information, the appropriate use of technology in meeting information needs, research in the field of library and information studies, and commitment to professional service for individuals, organizations and society.

## Required Courses (18 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| INFS 601 | Foundations of Information Studies.  | 3       |
| INFS 607 | Organization of Information.         | 3       |
| INFS 611 | Research Principles & Analysis.      | 3       |
| INFS 617 | Information System Design.           | 3       |
| INFS 619 | Information Behaviour and Resources. | 3       |
| INFS 620 | Managing Information Organizations.  | 3       |

## Complementary Courses (18-30 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| INFS 608 | Classification and Cataloguing. | 3       |
| INFS 609 | Metadata and Access.            | 3       |

|            |                                                       |   |
|------------|-------------------------------------------------------|---|
| INFS 612   | History of Books and Printing.                        | 3 |
| INFS 614   | Public Libraries.                                     | 3 |
| INFS 615   | Reference and Information Services.                   | 3 |
| INFS 616   | Information Retrieval.                                | 3 |
| INFS 618   | Practices of Critical Theory and Information Studies. | 3 |
| INFS 626   | Usability Analysis and Assessment.                    | 3 |
| INFS 627   | User-Centered Design.                                 | 3 |
| INFS 629   | Information Security.                                 | 3 |
| INFS 630   | Data Mining.                                          | 3 |
| INFS 631   | Data Science for Information Professionals            | 3 |
| INFS 633   | Digital Media.                                        | 3 |
| INFS 634   | Web System Design and Management.                     | 3 |
| INFS 635   | Computer Programming for Information Professionals.   | 3 |
| INFS 636   | Government Information.                               | 3 |
| INFS 639   | Introduction to Museology.                            | 3 |
| INFS 641   | Archival Description and Access.                      | 3 |
| INFS 642   | Preservation Management.                              | 3 |
| INFS 645   | Archival Principles and Practice.                     | 3 |
| INFS 649   | Digital Curation.                                     | 3 |
| INFS 650   | Digital Libraries.                                    | 3 |
| INFS 656   | Abstracting and Indexing.                             | 3 |
| INFS 657   | Database Design and Development.                      | 3 |
| INFS 660   | Records Management.                                   | 3 |
| INFS 661   | Knowledge Management.                                 | 3 |
| INFS 662   | Intellectual Capital.                                 | 3 |
| INFS 663   | Knowledge Taxonomies.                                 | 3 |
| INFS 664   | Managing Knowledge Communities.                       | 3 |
| INFS 665   | Competitive Intelligence.                             | 3 |
| INFS 671   | Health Sciences Information.                          | 3 |
| INFS 672   | Law Information.                                      | 3 |
| INFS 673   | Bioinformatics Resources.                             | 3 |
| INFS 679   | Information Literacy.                                 | 3 |
| INFS 688   | Independent Study.                                    | 6 |
| INFS 688D1 | Independent Study.                                    | 3 |
| INFS 688D2 | Independent Study.                                    | 3 |
| INFS 689   | Selected Topics.                                      | 3 |
| INFS 690   | Information Policy.                                   | 3 |
| INFS 691   | Special Topics 1.                                     | 3 |
| INFS 692   | Special Topics 2.                                     | 3 |
| INFS 693   | Special Topics 3.                                     | 3 |
| INFS 699   | Practicum.                                            | 3 |

## Elective Courses (0-12 credits)

0-12 credits from other 500-, 600-, or 700-level courses; up to 6 credits may be from other Quebec universities.

Elective courses must be approved by the student's adviser and the Graduate Program Director.

## Information Studies (Non-Thesis): Project (M.I.St.) (48 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Degree:** MIST

**Program credit weight:** 48

### Program Description

The Master of Information Studies Non-Thesis: Project, accredited by the American Library Association, is a 48-credit program, with a research project component of 15 credits. The program focuses on the intellectual foundations for careers as information professionals, competencies in managing information and knowledge resources, equal access to information, the appropriate use of technology in meeting information needs, research in the field of library and information studies, and commitment to professional service for individuals, organizations and society.

### Required Courses (33 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| INFS 601 | Foundations of Information Studies.  | 3       |
| INFS 607 | Organization of Information.         | 3       |
| INFS 611 | Research Principles & Analysis.      | 3       |
| INFS 617 | Information System Design.           | 3       |
| INFS 619 | Information Behaviour and Resources. | 3       |
| INFS 620 | Managing Information Organizations.  | 3       |

### Research Courses

Expand allContract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| INFS 603   | Research Project 1.              | 6       |
| INFS 604   | Research Project 2.              | 3       |
| INFS 605   | Research Project 3.              | 6       |
| INFS 605D1 | Research Project 3. <sup>1</sup> | 3       |
| INFS 605D2 | Research Project 3. <sup>1</sup> | 3       |

<sup>1</sup> either INFS 605 Research Project 3. or INFS 605 Research Project 3./INFS 605D2 Research Project 3. .

### Complementary Courses

3-15 credits from the following:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| INFS 608 | Classification and Cataloguing.                       | 3       |
| INFS 609 | Metadata and Access.                                  | 3       |
| INFS 612 | History of Books and Printing.                        | 3       |
| INFS 614 | Public Libraries.                                     | 3       |
| INFS 615 | Reference and Information Services.                   | 3       |
| INFS 616 | Information Retrieval.                                | 3       |
| INFS 618 | Practices of Critical Theory and Information Studies. | 3       |
| INFS 626 | Usability Analysis and Assessment.                    | 3       |
| INFS 627 | User-Centered Design.                                 | 3       |
| INFS 629 | Information Security.                                 | 3       |
| INFS 630 | Data Mining.                                          | 3       |
| INFS 631 | Data Science for Information Professionals            | 3       |
| INFS 633 | Digital Media.                                        | 3       |
| INFS 634 | Web System Design and Management.                     | 3       |
| INFS 635 | Computer Programming for Information Professionals.   | 3       |
| INFS 636 | Government Information.                               | 3       |
| INFS 639 | Introduction to Museology.                            | 3       |
| INFS 641 | Archival Description and Access.                      | 3       |
| INFS 642 | Preservation Management.                              | 3       |
| INFS 645 | Archival Principles and Practice.                     | 3       |
| INFS 649 | Digital Curation.                                     | 3       |
| INFS 650 | Digital Libraries.                                    | 3       |
| INFS 656 | Abstracting and Indexing.                             | 3       |
| INFS 657 | Database Design and Development.                      | 3       |
| INFS 660 | Records Management.                                   | 3       |
| INFS 661 | Knowledge Management.                                 | 3       |
| INFS 662 | Intellectual Capital.                                 | 3       |
| INFS 663 | Knowledge Taxonomies.                                 | 3       |
| INFS 664 | Managing Knowledge Communities.                       | 3       |
| INFS 665 | Competitive Intelligence.                             | 3       |
| INFS 671 | Health Sciences Information.                          | 3       |
| INFS 672 | Law Information.                                      | 3       |
| INFS 673 | Bioinformatics Resources.                             | 3       |
| INFS 679 | Information Literacy.                                 | 3       |
| INFS 689 | Selected Topics.                                      | 3       |
| INFS 690 | Information Policy.                                   | 3       |
| INFS 691 | Special Topics 1.                                     | 3       |
| INFS 692 | Special Topics 2.                                     | 3       |
| INFS 693 | Special Topics 3.                                     | 3       |
| INFS 699 | Practicum.                                            | 3       |

## Elective Courses (0-12 credits)

0-12 credits from other 500-, 600-, or 700-level courses; up to 6 credits may be from other Quebec universities.

Elective courses must be approved by the student's adviser and the Graduate Program Director.

## Information Studies (Ph.D.)

**Offered by:** Information Studies (Faculty of Arts)

**Degree:** Doctor of Philosophy

### Program Description

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:

- 1. information-seeking behaviour;
- 2. human-computer interaction;
- 3. information resources in context;
- 4. 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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (12 credits)

Students may also be required to take additional courses to prepare them for their research.

| Expand allContract all |                                            |         |
|------------------------|--------------------------------------------|---------|
| Course                 | Title                                      | Credits |
| INFS 701               | Comprehensive Examination. <sup>1</sup>    | 0       |
| INFS 702               | Seminar in Information Studies.            | 3       |
| INFS 703               | Research Paradigms in Information Studies. | 3       |
| INFS 704               | Research Design in Information Studies.    | 3       |
| INFS 705               | Readings in Information Studies.           | 3       |

<sup>1</sup> INFS 701 Comprehensive Examination. is normally taken in the second year.

## Cloud and Operational Technology Security (Gr. Cert.) (15 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Program credit weight:** 15

### Program Description

The Graduate Certificate in Cloud and Operational Technology Security is a 15-credit program covering advanced cybersecurity topics such as: applying best practices for securing cloud services and infrastructure; the principles of operational technology and control systems; identifying and mitigating vulnerabilities in industrial operation technology environments; implementing security controls specific to operational technology (OT) and critical infrastructure; threat data analysis; developing actionable threat intelligence for proactive defence; threat modelling and analysis techniques to predict potential attacks; security testing for applications; developing applications with secure coding practices; executing effective incident response strategies; performing digital forensic analysis to investigate cyber incidents; and employing Artificial Intelligence and machine learning techniques for cybersecurity applications.

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| INFS 676 | Cloud Security and Virtualization          | 3       |
| INFS 677 | OT Security and Industrial Control Systems | 3       |

### Complementary Courses (9 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| INFS 674 | Advanced Threat Intelligence and Analysis              | 3       |
| INFS 675 | Secure Application Development and Testing             | 3       |
| INFS 678 | Incidence Response and Digital Forensics               | 3       |
| INFS 685 | Artificial Intelligence for Cybersecurity <sup>1</sup> | 3       |

<sup>1</sup> Students may be encouraged to take INFS 685 Artificial Intelligence for Cybersecurity at the recommendation of the Graduate Program Director.

## Cybersecurity (Gr. Cert.) (15 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Program credit weight:** 15

### Program Description

The Graduate Certificate in Cybersecurity is an online program that focuses on the fundamental concepts of cybersecurity: threats, cryptography, and vulnerability; the types of cyber-attacks, how they

are implemented, and commonly used hardening techniques and controls; threat and risk assessments at the network system, operating system, and software application levels; the security readiness of an organization; cybersecurity incidents and how to communicate them within an organization; policies to meet current security standards for an organization to adopt; ethical concerns in terms of security, privacy, and information guidelines and policies within national and international contexts. While majority of the course components will be delivered asynchronously, a very small number of activities may require students to perform synchronously.

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| INFS 680 | Introduction to Information Security and Cryptography. | 3       |
| INFS 681 | Modern Software Exploitation and Defence.              | 3       |
| INFS 682 | Network and Endpoint Security.                         | 3       |
| INFS 683 | Windows and Linux OS Hardening.                        | 3       |
| INFS 684 | Information Security Management.                       | 3       |

## Digital Archives Management (Gr. Cert.) (15 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Program credit weight:** 15

## Program Description

This program is intended to prepare students to work in the area of digital archives. The graduate courses in the program will focus on principles of organization of information, practices in archival studies, and strategies for digital curation and enterprise content management. This is an entry-level, graduate program that may lead to another graduate certificate or to the M.I.St. program, however, none of the courses taken in the graduate certificate can be credited towards the M.I.St. program once a graduate certificate has been completed.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| INFS 607 | Organization of Information. | 3       |
| INFS 649 | Digital Curation.            | 3       |

## Complementary Courses (9 credits)

chosen from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| INFS 609 | Metadata and Access.              | 3       |
| INFS 633 | Digital Media.                    | 3       |
| INFS 641 | Archival Description and Access.  | 3       |
| INFS 642 | Preservation Management.          | 3       |
| INFS 645 | Archival Principles and Practice. | 3       |

|          |                                  |   |
|----------|----------------------------------|---|
| INFS 657 | Database Design and Development. | 3 |
| INFS 660 | Records Management.              | 3 |

## Information Architecture and Design (Gr. Cert.) (15 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Program credit weight:** 15

## Program Description

The Graduate Certificate in Information Architecture and Design is intended to prepare students to work as information architects and designers. The graduate courses in the program will prepare students to design and assess information systems (text, multimedia), databases, websites, and interfaces. Techniques for data mining and issues related to information security are also covered. This is an entry-level graduate program that may lead to another certificate or to the M.I.St. (Master of Information Studies).

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| INFS 617 | Information System Design. | 3       |
| INFS 625 | Information Architecture.  | 3       |

## Complementary Courses (9 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| INFS 616 | Information Retrieval.             | 3       |
| INFS 626 | Usability Analysis and Assessment. | 3       |
| INFS 627 | User-Centered Design.              | 3       |
| INFS 629 | Information Security.              | 3       |
| INFS 630 | Data Mining.                       | 3       |
| INFS 633 | Digital Media.                     | 3       |
| INFS 634 | Web System Design and Management.  | 3       |
| INFS 657 | Database Design and Development.   | 3       |

## Information and Knowledge Management (Gr. Cert.) (15 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Program credit weight:** 15

## Program Description

This program is intended to prepare students to work as information and knowledge managers in a variety of sectors. The graduate courses in the program will focus on the information behavior of individuals, networks and organizations, and the nature of tacit and explicit knowledge services and strategies for identifying, capturing, organizing, storing, sharing, and using knowledge throughout the IM/KM lifecycle in order to learn and improve. Tools and techniques for

codifying knowledge and facilitating collaboration in networks are also covered. This in an entry-level, graduate program that may lead to another graduate certificate or to the M.I.St. program, however, none of the courses taken in the graduate certificate can be credited towards the M.I.St. program once a graduate certificate has been completed.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| INFS 619 | Information Behaviour and Resources. | 3       |
| INFS 661 | Knowledge Management.                | 3       |

## Complementary Courses (9 credits)

chosen from the following:

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| INFS 607 | Organization of Information.        | 3       |
| INFS 620 | Managing Information Organizations. | 3       |
| INFS 662 | Intellectual Capital.               | 3       |
| INFS 663 | Knowledge Taxonomies.               | 3       |
| INFS 664 | Managing Knowledge Communities.     | 3       |
| INFS 665 | Competitive Intelligence.           | 3       |

## Library and Information Studies (Gr. Cert.) (15 credits)

**Offered by:** Information Studies (Faculty of Arts)

**Program credit weight:** 15

## Program Description

The Graduate Certificate in Library and Information Studies focuses on new and emerging topics in library and information studies. The program may be completed on a full-time or part-time basis, to a maximum of five years.

## Complementary Courses

9-15 credits, three to five INFS courses chosen in consultation with the student's advisor with the exception of the following courses:

Expand allContract all

| Course     | Title               | Credits |
|------------|---------------------|---------|
| INFS 605   | Research Project 3. | 6       |
| INFS 605D1 | Research Project 3. | 3       |
| INFS 605D2 | Research Project 3. | 3       |
| INFS 689   | Selected Topics.    | 3       |
| INFS 696D1 | Research Paper 2.   | 6       |
| INFS 696D2 | Research Paper 2.   | 6       |

0-6 credits of non-INFS 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.

## International Development About the Institute for the Study of International Development

The Institute for the Study of International Development (ISID) is an 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 three themes: poverty and inequality; governance and society; and environment and sustainability.

It organizes seminars and conferences on development issues related to these themes.

Graduate students can register in the Development Studies Option (DSO), a cross-disciplinary M.A. program in which six departments participate:

- Anthropology
- Economics
- Geography
- History and Classical Studies
- Political Science
- Sociology

Further information about this option is available from each of these departments, as well as on the ISID website.

## International Development Admission Requirements and Application Procedures 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.

## Application Dates and Deadlines

The DSO is a cross-disciplinary program. Please see the application deadlines for the master's program in one of the six participating departments:

- Anthropology
- Economics
- Geography
- History and Classical Studies
- Political Science
- Sociology

Refer to the Graduate Program Contacts page for departmental contact info.



## Location

Institute for the Study of International Development (ISID)  
3610 McTavish St., 2nd Floor  
Montréal, QC H3A 1Y2

Telephone: 514-398-3507

Email: [info.isid@mcgill.ca](mailto:info.isid@mcgill.ca) ([info.isid@mcgill.ca](mailto:info.isid@mcgill.ca))

Website: [mcgill.ca/isid](http://mcgill.ca/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
- South-Asian Literature
- Islamic Theology
- Islamic Philosophy
- Qur'an
- History of Qur'anic Interpretation
- Sufism
- Islamic History
- Safavid History
- Shi`'i Studies
- History of the Modern Middle East
- Anthropology and History of Modern Iran
- Islam and Politics
- Islam in Africa
- Ottoman and Turkish Studies
- Women and Gender in Islamic Societies

Students have the opportunity to be involved in a number of cutting-edge research projects.

The degrees and specializations offered at the Institute are:

- 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
- 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 Islamic regions. The collection, one of the largest in North America, contains over 150,000 volumes in principal European languages as well as in Arabic, Persian, Turkish, Urdu, and other non-European languages.

## Islamic Studies Admission Requirements and Application Procedures

### Admission Requirements

Applicants must have a B.A. or M.A. degree from a recognized university, with a minimum cumulative grade point average (CGPA) of 3.0/4.0 (or equivalent), or a grade point average (GPA) of 3.2/4.0 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 should refer to the English Language Proficiency page of the Graduate and Postdoctoral Studies website for more information.

### Application Procedures

McGill's online application form for graduate program candidates is available on the Future Graduate Students website.

See University Regulations and Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Reference Letters — three letters required for Ph.D. applicants
- Writing Sample — optional for M.A. applicants; required for Ph.D. applicants; a copy of the entire master's thesis, or completed chapters of master's thesis, or (in cases where these are not available) two substantial research papers of 20 pages or longer. If your thesis was not written in English, you may send us a thesis abstract in English, as well as a translated chapter, or additional writing samples, preferably a lengthy paper written as part of your Master's degree or undergraduate degree.
- Knowledge of Arabic or Persian is an asset, as follows: one year of language training for M.A. applicants; two years for Ph.D. applicants
- Additional documents and requirements as itemized and explained on the Prospective Student Information page of the Department's website.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Institute of Islamic Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the Department of Islamic Studies website.

General information on application deadlines is available at Future Graduate Students.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications may not be considered.

## Available Programs

- Islamic Studies (Thesis) (M.A.) (p. 162)
- Islamic Studies (Thesis): Gender and Women's Studies (M.A.) (p. 163)
- Islamic Studies (Ph.D.) (p. 163)
- Islamic Studies: Gender and Women's Studies (Ph.D.) (p. 164)

### Master of Arts (M.A.) Islamic Studies (Thesis) (45 credits) (p. 162)

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. Knowledge of Arabic or Persian at the first-year level is an asset. The atmosphere at the Institute is strongly international and the excellent 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 this field.

### Master of Arts (M.A.) Islamic Studies (Thesis): Gender and Women's Studies (45 credits) (p. 163)

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. Knowledge of Arabic or Persian at the first-year level is an asset. 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 this field.

### Doctor of Philosophy (Ph.D.) Islamic Studies (p. 163)

Students pursuing the Ph.D. in Islamic Studies at the Institute normally have a graduate specialization in the Humanities or Social Sciences, preferably in Islamic Studies or Middle Eastern Studies. Knowledge of Arabic or Persian at the second-year level is an asset. Admission to the Ph.D. program will be granted on the basis of the Admissions Committee's opinion that the applicant can successfully fulfil the academic requirements of the program within an appropriate span of time (normally six years). Students are required to have knowledge of either Arabic or Persian and of a second Islamic language.

Our Institute has been successful in placing its Ph.D. graduates in top-ranking academic jobs in North America. Institute alumni now hold positions 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.

### Doctor of Philosophy (Ph.D.) Islamic Studies: Gender and Women's Studies (p. 164)

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 at the Institute normally have a graduate specialization in the Humanities or Social Sciences, preferably in Islamic Studies or Middle Eastern Studies. Knowledge of Arabic or Persian at the second-year level is an asset. Admission to the Ph.D. program will be granted on the basis of the Admissions Committee's opinion that the applicant can successfully fulfil the academic requirements of the program within an appropriate span of time (normally six years). Students are required to have knowledge of either Arabic or Persian and of a second Islamic language.

Our Institute has been successful in placing its Ph.D. graduates in top-ranking academic jobs in North America. Institute alumni now hold positions 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.

## Location

[Institute of Islamic Studies](#)  
[Morrice Hall, Room 319](#)  
[3485 McTavish St.](#)  
 Montréal, QC [H3A 0E1](#)

[Telephone: 514-398-6077](#)  
[Email: \[info.islamics@mcgill.ca\]\(mailto:info.islamics@mcgill.ca\)](#)  
[Website: \[mcgill.ca/islamicstudies\]\(http://mcgill.ca/islamicstudies\)](#)

## Islamic Studies (Thesis) (M.A.) (45 credits)

**Offered by:** Islamic Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Islamic Studies is a language- and research-intensive program that focuses on the variety of specializations offered at the Institute in humanities and social-science disciplines (history, law, philosophy, literature, Qur'anic studies, gender studies, political science, anthropology), from the classical period to the contemporary era. The program focuses on knowledge of Arabic and/or Persian, with additional Islamic language training offered in Turkish or Urdu for linguistic background in the geographic areas of specialization. The program is normally completed in two years.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| ISLA 697 | Thesis Research 1. | 6       |
| ISLA 698 | Thesis Research 2. | 6       |
| ISLA 699 | Thesis Research 3. | 12      |

## Required Course (3 credits)

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| ISLA 603 | Introductory: Research Materials - Islamic Studies. | 3       |

## Complementary Courses (18 credits)

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, and Political Science) can count toward the coursework requirements in the same way as ISLA courses.

With permission of the Institute, up to 6 credits from other departments at McGill or other educational institutions can be used.

3 credit seminar course at the 600 or 700 level.

15 credits of ISLA courses at the 500, 600, or 700 level.

## Language Requirement

Students must demonstrate proficiency in Arabic or Persian at the second-year level as evidenced by completion of ISLA 622D1 Arabic for Reading 2./ISLA 622D2 Arabic for Reading 2. or ISLA 642D1 Persian for Reading 2./ISLA 643D2 Persian for Reading 3., respectively, or by an examination administered by the Institute.

Note that the courses taken to fulfill the second-year-level requirement will not be credited towards the course requirements.

## Islamic Studies (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Islamic Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

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.

## Thesis (24 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| ISLA 697 | Thesis Research 1. | 6       |
| ISLA 698 | Thesis Research 2. | 6       |
| ISLA 699 | Thesis Research 3. | 12      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| ISLA 603 | Introductory: Research Materials - Islamic Studies. | 3       |
| WMST 601 | Feminist Theories and Methods.                      | 3       |

## Complementary Courses (15 credits)

3 credit of a seminar course at the 600 or 700 level.

3 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

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.

With the approval of the student's supervisor, courses taken with an IIS faculty member or an associate member in other departments (i.e., History, Anthropology, Political Science) can count toward the coursework requirements in the same way as ISLA courses.

## Language Requirement

Students must demonstrate proficiency in Arabic or Persian at the second-year level as evidenced by completion of ISLA 622D1 Arabic for Reading 2./ISLA 622D2 Arabic for Reading 2. or ISLA 642D1 Persian for Reading 2./ISLA 642D2 Persian for Reading 2., respectively, or by an examination administered by the Institute.

Note that the courses taken to fulfill the second-year level requirements will not be credited towards the course requirements.

## Islamic Studies (Ph.D.)

**Offered by:** Islamic Studies (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Islamic Studies focuses on the history, law, philosophy, literature, Qur'an, gender, politics, anthropology studies in relation to Islamic studies, from the classical period to the contemporary era. The program includes studies on the language of Arabic and/or Persian, with additional Islamic language training offered in Turkish or Urdu. The program should be completed within six years.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge

in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Course (3 credits)

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| ISLA 603 | Introductory: Research Materials - Islamic Studies. | 3       |
| ISLA 701 | Comprehensive Examination.                          | 0       |

## Complementary Courses (27 credits)

27 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.

With the permission of the Institute, up to 6 credits, at the 500 level or higher could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses at the 500 level or higher taken with an IIS faculty member or an associate 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 \*

\* Note: For the three-year-level language requirement, ISLA 521D1/D2, ISLA 541D1/D2, ISLA 621D1/D2 and ISLA 641D1/D2 will not count toward the 27 complementary credits.

All Ph.D. students are required to have completed three years of Arabic language or Persian 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 or Persian, 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.

## Islamic Studies: Gender and Women's Studies (Ph.D.)

**Offered by:** Islamic Studies (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| ISLA 603 | Introductory: Research Materials - Islamic Studies. | 3       |
| ISLA 701 | Comprehensive Examination.                          | 0       |
| WMST 601 | Feminist Theories and Methods.                      | 3       |
| WMST 602 | Feminist Research Symposium.                        | 3       |

## Complementary Courses (21 credits)

21 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 at the 500-level or higher with a substantive focus on women and/or gender.

With the permission of the Institute, up to 6 credits at the 500 level or higher could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses at the 500 level or higher taken with an IIS faculty member or an associate 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 \*

\* Note: For the three-year-level language requirement, ISLA 521D1/D2, ISLA 541D1/D2, ISLA 621D1/D2 and ISLA 641D1/D2 will not count toward the 21 complementary credits.

All Ph.D. students are required to have completed three years of Arabic language or Persian language study at the IIS. Students who do not take the third level of Arabic or Persian at the Institute may demonstrate their competence by taking a proficiency examination set by the academic staff of the IIS.

In addition to Arabic or Persian, 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.

## Jewish Studies

### 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 and may choose to complete the thesis M.A. with a stream in the History of the 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.

## Jewish Studies Admission Requirements and Application Procedures

### Admission Requirements

Ideally, applicants would have completed a B.A. in Jewish Studies. If an applicant is otherwise deemed acceptable, it is possible to be admitted to a Qualifying Year. Students seeking admission to the History of the Jewish Interpretation of the Bible stream 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.

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

Below are additional requirements set by this department:

- Research proposal
- Curriculum vitae
- Written work

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Jewish Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Jewish Studies (Non-Thesis) (M.A.) (45 credits) (p. 166)
- Jewish Studies (Thesis) (M.A.) (45 credits) (p. 166)

## Program Overview

### Master of Arts (M.A.) Jewish Studies (Thesis)

This program 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.

Students may also choose to complete the M.A. (Thesis) program with a stream in the History of the Jewish Interpretation of the Bible. This stream 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)

This program 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

This is an *ad hoc* program. Please contact the Department for further information.

## Location

Department of Jewish Studies  
Leacock Building, 7th floor  
855 Sherbrooke St. W.  
Montréal, QC H3A 2T7

Email: graduate.jwst@mcgill.ca  
Website: mcgill.ca/jewishstudies

## Jewish Studies (Thesis) (M.A.) (45 credits)

**Offered by:** Jewish Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

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)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| JWST 695 | M.A. Thesis 1. | 9       |
| JWST 696 | M.A. Thesis 2. | 9       |
| JWST 697 | M.A. Thesis 3. | 12      |

### Required Course (3 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| JWST 699 | Research in Jewish Studies. | 3       |

### 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)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| JWST 690 | M.A. Thesis 1. | 3       |
| JWST 691 | M.A. Thesis 2. | 6       |
| JWST 692 | M.A. Thesis 3. | 12      |
| JWST 694 | M.A. Thesis 4. | 3       |

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| JWST 510 | Jewish Bible Interpretation 1. | 3       |
| JWST 511 | Jewish Bible Interpretation 2. | 3       |
| JWST 699 | Research in Jewish Studies.    | 3       |

### 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.

## Jewish Studies (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Jewish Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

All students pursuing this option must take JWST 699 Research in Jewish Studies. JWST 699 Research in Jewish Studies. JWST 699 Research in Jewish Studies. JWST 699 Research in Jewish Studies. 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)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| JWST 699 | Research in Jewish Studies. | 3       |

## 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)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| JWST 504 | Seminar in Jewish Thought.     | 3       |
| JWST 510 | Jewish Bible Interpretation 1. | 3       |
| JWST 511 | Jewish Bible Interpretation 2. | 3       |
| JWST 558 | Topics: Modern Jewish Thought. | 3       |
| JWST 604 | Topics: In Jewish Thought.     | 3       |

### Jewish History (12-15 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| HIST 655 | Tutorial.                             | 6       |
| JWST 585 | Tutorial: Eastern European Studies 1. | 3       |
| JWST 586 | Tutorial: Eastern European Studies 2. | 3       |
| JWST 602 | East European Jewish History 1.       | 3       |

### Jewish Literature (12-15 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| JWST 510 | Jewish Bible Interpretation 1.       | 3       |
| JWST 511 | Jewish Bible Interpretation 2.       | 3       |
| JWST 520 | Bible Interpretation in Antiquity.   | 3       |
| JWST 538 | Early Rabbinic Parshanut 1.          | 3       |
| JWST 615 | Literary Analysis of Hebrew Fiction. | 3       |

## Languages, Literatures, and Cultures

### About Languages, Literatures, and Cultures

**Note:** Ph.D. students are only considered for Fall admission.

The Department's graduate programs in

- German Studies
- Hispanic Studies
- Italian Studies
- Russian and Slavic Studies
- Digital Humanities

offer a vibrant research environment, combining the rigour of traditional philological inquiry with a range of other theoretical and methodological approaches, many of them informed and/or creatively challenged by broader transnational and interdisciplinary perspectives.

The Department is committed to international standards of excellence in graduate student training.

### German Studies

Faculty research specializations in German Studies cover literary studies from the 18th century to the present, film, media studies, history of the book, philosophy, intellectual history, critical theory, memory studies, and the history of the German Left. Students may specialize in literature, intellectual history, film, media, and/or digital humanities. Students in German Studies often spend time abroad in Germany and Austria and take part in various extracurricular activities. German Studies is connected with notable resources and programs across campus, including Digital Humanities, Russian Studies, and World Cinema.

### 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 German Language, Intensive Beginners or GERM 202 German Language, Beginners.

### Master of Arts (M.A.) German (Thesis) (45 credits) (p. 170)

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. M.A. students in this track have gone on to do Ph.D. degrees in German and related fields and pursue academic careers.

### Master of Arts (M.A.) German (Non-Thesis) (45 credits) (p. 171)

Students enrolled in the M.A. with non-thesis option complete nine 3-credit courses and three research papers. Research papers may be seminar papers awarded at least a grade of A-. This program is geared toward students who may or may not plan to do a Ph.D. in German and would like to acquire broad background training in German literature, culture, and media. Non-thesis M.A. students have gone on to pursue a variety of careers inside and outside the academy.

### Doctor of Philosophy (Ph.D.) German (p. 170)

Students enrolled in the Ph.D. program in German Studies take courses in literature, film, media history, theory, and digital humanities during their first two years, before designing a set of comprehensive qualifying exams tailored toward their particular research and future teaching interests. After passing their exams (including a French language examination), students 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 careers outside of the academy.

### Hispanic Studies

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 language. Currently, Hispanic Studies has two outstanding research areas:

- Colonial and Peninsular Baroque and Enlightenment, with a variety of intellectual and methodological approaches;
- Film and Literary Studies in contemporary Latin America and the Iberian Peninsula.

### **Master of Arts (M.A.) Hispanic Studies (Thesis) (45 credits) (p. 171)**

The combination of three courses and one Thesis Preparation course will permit students the 12 credits per term average that is required for most fellowships.

### **Master of Arts (M.A.) Hispanic Studies (Non-Thesis) (45 credits) (p. 171)**

The M.A. in Hispanic Studies; Non-Thesis focuses on advanced training in the field of Hispanic Studies. It provides a rigorous foundation on the literary and cultural history of the Iberian Peninsula and Latin America from a multidisciplinary perspective.

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.

### **Doctor of Philosophy (Ph.D.) Hispanic Studies (p. 172)**

Students enrolled in the Ph.D. program in Hispanic Studies take courses in literature, film, and intellectual history during their first year, before preparing the comprehensive qualifying exams. After passing their exams, students may develop a doctoral dissertation topic in consultation with a Departmental faculty member. Students enrolled in this program have gone on to teach Hispanic Studies and related fields in universities and CEGEPs, as well as pursuing some careers outside of the academy.

## **Italian Studies**

The Italian Studies program encompasses various facets of Italian literature and culture, from the Middle Ages to the 21st century. Its current areas of expertise encompass modern and contemporary narrative forms, Medieval and Renaissance literature and culture, and Italian cinema from the post-World War II neorealist movement to modern film. The program employs diverse methodological orientations, emphasizing the interplay between literary texts and their historical, social, and political contexts. It also prioritizes intertextual relationships, analyzing connections with contemporary and earlier works across other European literatures and cultures, with special emphasis on identity construction. The curriculum includes critical inquiries into gender and cultural studies alongside book history and textual criticism. Prospective applicants are encouraged to review individual faculty members' research profiles on the departmental website for more tailored information.

### **Master's Programs in Italian Studies**

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 are as stated in University Regulations & Resources (p. 11) > *Graduate*.

### **Ph.D. (Ad Hoc)**

The Department of Languages, Literatures, and Cultures also offers the possibility of directly entering a Ph.D. program in Italian Studies 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.A. to the ad hoc Ph.D. program.

### **Master of Arts (M.A.) Italian (Thesis) (45 credits) (p. 172)**

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.

### **Master of Arts (M.A.) Italian (Non-Thesis) (45 credits) (p. 173)**

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.

## **Russian and Slavic Studies**

### **Master's and Ph.D. in Russian and Slavic Studies**

Russian and Slavic Studies offers graduate instruction at both the M.A. and Ph.D. levels. Our faculty specializes in 19th-, 20th-, and 21st-century Russian literature and culture, working in such areas as:

- The Russian novel, the Russian short story;
- Dostoevsky, Tolstoy, and Chekhov;
- Russian drama, folklore, and film studies;
- Genre theory
- Russian Romanticism, Russian Modernism, and the Russian Avant-Garde;
- Post-Soviet culture;
- Cultural mythologies;
- World Cinema.

We also offer a broad and flexible range of graduate seminars. Graduate students collaborate with the Department of Art History and Communication Studies, World Cinemas, and the Institute for Gender, Sexuality, and Feminist Studies (IGSF). 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.

### **Master of Arts (M.A.) Russian and Slavic Studies (Thesis) (45 credits)**

The M.A. in Russian and Slavic Studies consists of coursework plus a research component, including an M.A. thesis proposal and an M.A. thesis. Candidates for admission into the program are normally expected to arrive with a solid background in Russian literature and culture or the equivalent in literary, cultural, or media studies.

### **Doctor of Philosophy (Ph.D.) Russian and Slavic Studies**

The Ph.D. in Russian and Slavic Studies consists of coursework, multiple examinations, language requirements, and a dissertation. It offers graduate instruction (seminar and guided independent reading courses) as well as research and thesis supervision in the fields of Russian culture and literature. Students also take graduate courses

offered in the Department of Languages, Literatures, and Cultures in literary theory, film, and media that allow for broader transnational and interdisciplinary perspectives in their research.

Students are encouraged and helped to participate in conferences and to publish the results of their ongoing research. Particular emphasis is laid on working with the original language. Doctoral dissertation topics are developed in consultation with the Faculty. Graduates from the program have gone on to careers in teaching in Canadian and international universities and institutions, as well as exploring other related fields.

## Digital Humanities (*Ad Hoc*)

The Department of Languages, Literatures, and Cultures offers an *Ad Hoc* M.A. in Digital Humanities; please contact the Department for more information.

# Languages, Literatures, and Cultures Admission Requirements and Application Procedures

## Admission Requirements

TOEFL is required of all graduate studies applicants 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 score of 86, with each component score not less than 20, is required on the TOEFL Internet-based examination (iBT). Proof of TOEFL must be presented at the time of application or shortly thereafter. McGill University's institution code is 0935.

Students also have the option of taking the IELTS (International English Language Testing Service System) examination, for which the minimum score is an overall band average of 6.5 (academic module). McGill University accepts only scores submitted electronically by an IELTS test centre and no longer accepts paper TRFs (Test Report Forms) directly from test centres and candidates. Please contact the test centre where you took the IELTS test and request that your test scores be sent electronically to McGill.

## German Studies 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 recognized college or university.

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.

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.

## Hispanic Studies Master's (Non-Thesis or Thesis):

In order to be admitted to graduate work in Hispanic Studies, candidates must fulfil 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.

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 Hispanic Studies Graduate Committee 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.

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 may 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 (GRE) is recommended, but not required.

## Italian Studies

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.

## Russian and Slavic Studies

The minimum academic requirement is normally a high Standing in an undergraduate degree with Honours Russian (or an equivalent specialization). Further, the Admissions Committee 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 fulfil these requirements will be offered within Russian Studies or elsewhere at McGill. Certain graduate courses may be taken with special permission at other approved universities.



## Application Procedures for Languages, Literatures, and Cultures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Written Work
- Additional Writing Sample — for Italian Studies only: a critical essay, written in Italian if the written work submitted is in English
- Research Proposal — which should include a brief personal statement. For the Ad Hoc M.A. in Digital Humanities only, the research proposal should also illustrate the applicant's computational experience (programming languages, digital projects)
- Interview — for Russian and Slavic Studies only: where appropriate, by telephone if necessary, with members of the Department's Graduate Committee
- Curriculum Vitae

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Languages, Literatures, and Cultures and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

- German (Non-Thesis) (M.A.) (45 credits) (p. 171)
- German (Ph.D.) (p. 170)
- German (Thesis) (M.A.) (45 credits) (p. 170)
- Hispanic Studies (Non-Thesis) (M.A.) (45 credits) (p. 171)
- Hispanic Studies (Ph.D.) (p. 172)
- Hispanic Studies (Thesis) (M.A.) (45 credits) (p. 171)
- Italian (Non-Thesis) (M.A.) (45 credits) (p. 173)
- Italian (Thesis) (M.A.) (45 credits) (p. 172)
- Russian and Slavic Studies (Ph.D.) (p. 173)
- Russian and Slavic Studies (Thesis) (M.A.) (45 credits) (p. 173)

### Location

Department of Languages, Literatures, and Cultures  
680 Sherbrooke St. W., Suite 0425  
Montréal, QC H3A 2M7

Telephone: 514-398-3650 or 514-399-9441

Email: [info.llcu@mcgill.ca](mailto:info.llcu@mcgill.ca)

Website: [mcgill.ca/langlitcultures](http://mcgill.ca/langlitcultures)

## German (Ph.D.)

**Offered by:** Languages, Literatures, Cultures (Faculty of Arts)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in German Studies combines the rigor of traditional philological inquiry into the history of German literature with a broader cultural studies approach that attends to the historical and technological aspects of German

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Course

Expand all Contract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| GERM 701 | Ph.D. Comprehensive Examination. | 0       |

### 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.

## German (Thesis) (M.A.) (45 credits)

**Offered by:** Languages, Literatures, Cultures (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45



## Program Description

The Master of Arts in German is a 45- credit program exploring German literature, film, culture, literary theory and/or digital humanities. Areas of interest include memory and cinema studies, realism, Berlin, turn-of-the-century Vienna, Kafka, Nietzsche, Goethe, Heine, the Frankfurt School, digital humanities, and cultural analytics. Students must complete a thesis.

## Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| GERM 690 | Thesis Research 1. | 9       |
| GERM 691 | Thesis Research 2. | 9       |
| GERM 692 | Thesis Research 3. | 9       |

## Complementary Courses (18 credits)

18 credits chosen from any graduate seminar listed as offered in German Studies and, with permission of the Graduate Program Director in Languages, Literatures, and Cultures. 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.

## German (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Languages,Literatures,Cultures (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts in German; Non-Thesis is a 45- credit program exploring German literature, film, culture, literary theory and/or digital humanities. Areas of interest include memory studies, realism, cinema, Berlin, turn-of-the-century Vienna, Kafka, Nietzsche, Goethe, Heine, the Frankfurt School, digital humanities, and cultural analytics. Students must complete three research papers.

## Research Project (18 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| GERM 680 | Research Paper 1. | 6       |
| GERM 681 | Research Paper 2. | 6       |
| GERM 682 | Research Paper 3. | 6       |

## 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.

## Hispanic Studies (Thesis) (M.A.) (45 credits)

**Offered by:** Languages,Literatures,Cultures (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts (Thesis) in Hispanic Studies is a 45- credit program focusing on Latin American and Spanish literature, film, culture, and/or digital culture. Students must complete an MA Thesis. Areas of interest include but are not limited to, colonial studies, post- and decolonial studies, spatial theory, cinema, transnationalism, nineteenth-century studies, digital humanities, translation studies, urban studies, e-lit, and computational humanities.

## Required Courses (27 credits)

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| HISP 695 | Thesis Preparation 1. | 3       |
| HISP 696 | Thesis Preparation 2. | 3       |
| HISP 697 | M.A. Thesis.          | 21      |

## Complementary Courses (18 credits)

18 credits of graduate-level HISP courses.

## Hispanic Studies (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Languages,Literatures,Cultures (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Hispanic Studies; Non-Thesis focuses on advanced training in the field of Hispanic Studies. It provides a rigorous foundation on the literary and cultural history of the Iberian Peninsula and Latin America from a multidisciplinary perspective.

## Required Course (3 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| HISP 603 | Research Project Methodology. | 3       |

## Complementary Courses (42 credits)

Research Project

18 credits to be chosen from:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| HISP 615 | Pre-1800 Literature and Culture.                             | 9       |
| HISP 616 | Modern and Contemporary Iberian Literature and Culture.      | 9       |
| HISP 617 | Modern & Contemporary Latin American Literature and Culture. | 9       |

24 credits at the 500, 600, 700 level in Hispanic Studies courses and courses offered by the Department of Languages, Literatures, and Cultures. Students can take up to 6 credits in courses offered by other departments with permission of the Director of Graduate Studies.

## Hispanic Studies (Ph.D.)

**Offered by:** Languages, Literatures, Cultures (Faculty of Arts)

**Degree:** Doctor of Philosophy

### Program Description

The PhD in Hispanic Studies offers an in-depth exploration of the literature and culture of the Hispanic world, with a focus on key areas such as drama and theatre, cultural studies, cinema, and critical theory.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (3 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| HISP 701 | Ph.D. Comprehensive Examination. | 0       |
| HISP 713 | Research Seminar.                | 3       |

### 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.

## Italian (Thesis) (M.A.) (45 credits)

**Offered by:** Languages, Literatures, Cultures (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The Master of Arts in Italian is a 45-credit program focusing on Italian literature, film, culture, literary theory, a thesis proposal, and a thesis. Areas of interest include film studies, nineteenth-century studies, transnational studies, gender studies, Calvino, Bertolucci, Early Renaissance Naples and Venice, vernacular and Neo-Latin poetry, among others.

### Thesis Courses (24 credits)

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| ITAL 698 | Thesis Proposal. | 6       |
| ITAL 699 | Thesis.          | 18      |

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| ITAL 602 | The Literary Tradition.             | 3       |
| ITAL 610 | Bibliography of Italian Literature. | 3       |
| ITAL 619 | Topics in Literary Theory.          | 3       |
| ITAL 680 | Research Seminar.                   | 3       |

### 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 Bibliography of Italian Literature., the three complementary courses and ITAL 698 Thesis Proposal.. The second year will include ITAL 602 The Literary Tradition., ITAL 680 Research Seminar. and the thesis.

## Italian (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Languages,Literatures,Cultures (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The Master of Arts in Italian; Non-Thesis is a 45- credit program focusing on Italian literature, film, culture, literary theory, and two research projects. Areas of interest include film studies, nineteenth-century studies, transnational studies, gender studies, film studies, Calvino, Bertolucci, Early Renaissance Naples and Venice, vernacular and Neo-Latin poetry, among others.

### Research Project (18 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| ITAL 690 | Research Paper 1. | 9       |
| ITAL 691 | Research Paper 2. | 9       |

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| ITAL 602 | The Literary Tradition.             | 3       |
| ITAL 610 | Bibliography of Italian Literature. | 3       |
| ITAL 619 | Topics in Literary Theory.          | 3       |
| ITAL 680 | Research Seminar.                   | 3       |

### 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 Bibliography of Italian Literature., three complementary courses, and ITAL 690 Research Paper 1.. The second

year will include: ITAL 602 The Literary Tradition., ITAL 680 Research Seminar., two complementary courses, and ITAL 691 Research Paper 2..

## Russian and Slavic Studies (Thesis) (M.A.) (45 credits)

**Offered by:** Languages,Literatures,Cultures (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

The M.A. in Russian and Slavic Studies focuses on the tools and expertise needed to situate research in the historical context of modern and contemporary Russian and Slavic cultural history, with an emphasis on recent scholarship, including theoretical, cross-cultural and intermedial developments in the field.

### Thesis Courses (27 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 prepared by the Graduate Committee of the Russian and Slavic Studies program of the Department of Languages, Literatures and Cultures.

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| RUSS 691 | M.A. Thesis Proposal. | 3       |
| RUSS 692 | M.A. Thesis.          | 24      |

### 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.

## Russian and Slavic Studies (Ph.D.)

**Offered by:** Languages,Literatures,Cultures (Faculty of Arts)

**Degree:** Doctor of Philosophy

The Ph.D. in Russian and Slavic Studies focuses on the tools and expertise needed to produce original research in and demonstrate an overview of the historical context of modern and contemporary Russian cultural history, with emphasis on recent scholarship, including theoretical, cross-cultural and intermedial developments in the field, and reaching out, where appropriate, from a purely Russo-centric focus into other Slavic cultures.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge

in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand all Contract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| RUSS 700 | Ph.D. Tutorial.                  | 0       |
| RUSS 701 | Ph.D. Comprehensive Examination. | 0       |
| RUSS 702 | Ph.D. Thesis Proposal.           | 0       |
| RUSS 760 | Pre-Petrine Foundation.          | 0       |
| RUSS 770 | 18th Century Foundation.         | 0       |

## Complementary Courses (12-18 credits)

12-18 credits at the 600-level or higher, depending on whether the student enters at the Ph.D. 1 or Ph.D. 2 level. Depending on their individual background, students may be asked to take additional coursework as approved by the Department Graduate Committee.

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.

## Linguistics

### About Linguistics

The aim of McGill's Linguistics graduate program is to train independent researchers to work in the diverse areas of Linguistics using a range of methods. We have specific expertise and strength in:

- phonetics
- phonology
- morphology
- syntax
- semantics
- pragmatics
- prosody
- language acquisition
- computational/quantitative linguistics
- artificial intelligence and machine learning
- variation and change
- linguistic fieldwork and documentation
- experimental methods

Students have access to a rich research landscape in cognitive science; for example, many members of the Department are associated with the Centre for Research on Brain, Language and Music (CRBLM) or Mila - Quebec AI Institute. The Department has several labs for conducting research including rooms for elicitation, running experiments including in sound booths and with an eye-tracker, and accessing high performance computing infrastructure. Members of the Department also have access to other facilities through the CRBLM.

We normally fund all full-time graduate students who maintain strong academic records; 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.

## Linguistics Admission Requirements and Application Procedures

### 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. Applicants showing strong evidence for truly outstanding potential but lacking a background in linguistics may be considered for admission to a Qualifying Year (QY).

### English Language Proficiency

Non-Canadian applicants whose mother tongue is not English and who have not completed a degree (undergraduate or graduate) at a recognized institution where English is the language of instruction must submit proof of competence in oral and written English. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/linguistics/graduate/graduate-admissions](http://mcgill.ca/linguistics/graduate/graduate-admissions).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

Applicants are urged to read detailed information on application procedures on the Department of Linguistics' website.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Statement of Research Interests
- Curriculum Vitae
- Writing Sample

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Linguistics Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Linguistics (Non-Thesis) (M.A.) (45 credits) (p. 175)
- Linguistics (Ph.D.) (p. 176)

- Linguistics (Thesis) (M.A.) (45 credits) (p. 175)
- Linguistics: Language Acquisition (Ph.D.) (p. 176)

## Program Overview

The **Language Acquisition Program (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, including writing their thesis 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 on the McGill Language Acquisition Program site.

## Location

Department of Linguistics  
1085 Dr. Penfield Ave.  
Montréal, QC H3A 1A7

Telephone: 514-398-4222

Email: gradprogram.linguistics@mcgill.ca

Website: mcgill.ca/linguistics

## Linguistics (Thesis) (M.A.) (45 credits)

**Offered by:** Linguistics (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Linguistics; Thesis program provides training in the fundamentals of theoretical and experimental linguistics. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to report on original research outcomes of publishable quality.

## Thesis Course (18 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| LING 690 | M.A. Thesis Submission. | 18      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| LING 601 | Graduate Research Seminar 1. | 3       |
| LING 602 | Graduate Research Seminar 2. | 3       |

## Complementary Courses (21 credits)

6-12 credits from:

Expand allContract all

| Course   | Title        | Credits |
|----------|--------------|---------|
| LING 630 | Phonetics 3. | 3       |
| LING 631 | Phonology 3. | 3       |
| LING 660 | Semantics 3. | 3       |
| LING 671 | Syntax 3.    | 3       |

6-15 credits in Linguistics at the 500, 600, or 700 level.

0-3 credits in a related field at the 500, 600, or 700 level, chosen in consultation with the supervisor and the graduate program director.

## Linguistics (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Linguistics (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

\*\*This program is currently not offered.\*\*

The M.A. in Linguistics; Non-Thesis program provides training in the fundamentals of theoretical and experimental linguistics. The program culminates a major research paper, which is written under the direction of a supervisory committee.

## Research Project (15 credits)

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| LING 605 | M.A. Research 1.     | 3       |
| LING 606 | M.A. Research 2.     | 3       |
| LING 607 | M.A. Research Paper. | 9       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| LING 601 | Graduate Research Seminar 1. | 3       |
| LING 602 | Graduate Research Seminar 2. | 3       |

## Complementary Courses (24 credits)

9-12 credits from:

Expand allContract all

| Course   | Title        | Credits |
|----------|--------------|---------|
| LING 630 | Phonetics 3. | 3       |
| LING 631 | Phonology 3. | 3       |
| LING 660 | Semantics 3. | 3       |
| LING 671 | Syntax 3.    | 3       |

9-15 credits in Linguistics at the 500, 600, or 700 level.

0-3 credits in a related field at the 500, 600, or 700 level, chosen in consultation with the supervisor and the graduate program director.



# Linguistics (Ph.D.)

**Offered by:** Linguistics (Faculty of Arts)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Linguistics provides training in the fundamentals of theoretical and experimental linguistics. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to constitute original scholarship and be a distinct contribution to knowledge.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Note: LING 706 Ph.D. Evaluation 1. and LING 707 Ph.D. Evaluation 2. must be completed before proceeding to thesis research.

| Expand allContract all |                              |         |
|------------------------|------------------------------|---------|
| Course                 | Title                        | Credits |
| LING 601               | Graduate Research Seminar 1. | 3       |
| LING 602               | Graduate Research Seminar 2. | 3       |
| LING 706               | Ph.D. Evaluation 1.          | 0       |
| LING 707               | Ph.D. Evaluation 2.          | 0       |

## Complementary Courses (30 credits)

9-12 credits from the following:

| Expand allContract all |              |         |
|------------------------|--------------|---------|
| Course                 | Title        | Credits |
| LING 630               | Phonetics 3. | 3       |
| LING 631               | Phonology 3. | 3       |
| LING 660               | Semantics 3. | 3       |
| LING 671               | Syntax 3.    | 3       |

18-21 credits to be chosen from among 500-level or above departmental course offerings in consultation with the supervisor(s) and the graduate program director. Courses in other departments may be approved by the graduate program director.

## Linguistics: Language Acquisition (Ph.D.)

**Offered by:** Linguistics (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

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.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (27 credits)

Note: LING 706 Ph.D. Evaluation 1. and LING 707 Ph.D. Evaluation 2. must be completed before proceeding to thesis research.

| Expand allContract all |                                |         |
|------------------------|--------------------------------|---------|
| Course                 | Title                          | Credits |
| LING 601               | Graduate Research Seminar 1.   | 3       |
| LING 602               | Graduate Research Seminar 2.   | 3       |
| LING 630               | Phonetics 3.                   | 3       |
| LING 631               | Phonology 3.                   | 3       |
| LING 635               | Phonetics and Phonology 4.     | 3       |
| LING 660               | Semantics 3.                   | 3       |
| LING 671               | Syntax 3.                      | 3       |
| LING 706               | Ph.D. Evaluation 1.            | 0       |
| LING 707               | Ph.D. Evaluation 2.            | 0       |
| LING 710               | Language Acquisition Issues 2. | 2       |
| PSYC 709               | Language Acquisition Issues 1. | 2       |
| SCSD 712               | Language Acquisition Issues 4. | 2       |

## Complementary Courses (18 credits)

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.

3 credits of statistics from the following list:

| Expand allContract all |                                    |         |
|------------------------|------------------------------------|---------|
| Course                 | Title                              | Credits |
| EDPE 676               | Intermediate Statistics.           | 3       |
| EDPE 682               | Univariate/Multivariate Analysis.  | 3       |
| LING 620               | Experimental Linguistics: Methods. | 3       |

|          |                        |   |
|----------|------------------------|---|
| PSYC 650 | Advanced Statistics 1. | 3 |
| PSYC 651 | Advanced Statistics 2. | 3 |

<sup>1</sup> If LING 620 Experimental Linguistics: Methods. is taken to satisfy both the Statistics and the Methods complementary requirements, then 3 additional credits should be taken at the 500, 600, or 700 level.

3 credits from the following:

Expand allContract all

| Course   | Title        | Credits |
|----------|--------------|---------|
| LING 665 | Semantics 4. | 3       |
| LING 675 | Syntax 4.    | 3       |

6 credits from the following methods courses:

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| LING 610 | Linguistic Field Research.                      | 3       |
| LING 620 | Experimental Linguistics: Methods. <sup>1</sup> | 3       |
| LING 645 | Computational Research on Language.             | 3       |
| LING 661 | Advanced Formal Methods.                        | 3       |

<sup>1</sup> If LING 620 Experimental Linguistics: Methods. is taken to satisfy both the Statistics and the Methods complementary requirements, then 3 additional credits should be taken at the 500, 600, or 700 level.

6 additional credits at the 500, 600, or 700 level, at least 3 credits selected from the following list:

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| EDSL 620 | Social Justice Issues in Second Language Education. | 3       |
| EDSL 623 | Second Language Learning.                           | 3       |
| EDSL 624 | Educational Sociolinguistics.                       | 3       |
| EDSL 627 | Instructed Second Language Acquisition Research.    | 3       |
| EDSL 632 | Second Language Literacy Development.               | 3       |
| LING 651 | Topics in Acquisition of Phonology.                 | 3       |
| PSYC 545 | Topics in Language Acquisition.                     | 3       |
| PSYC 735 | Developmental Psychology and Language.              | 3       |
| SCSD 619 | Phonological Development.                           | 3       |
| SCSD 632 | Phonological Disorders: Children.                   | 3       |
| SCSD 637 | Developmental Language Disorders 1.                 | 3       |
| SCSD 643 | Developmental Language Disorders 2.                 | 3       |
| SCSD 652 | Advanced Research Seminar 1.                        | 3       |
| SCSD 653 | Advanced Research Seminar 2.                        | 3       |

0-2 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EDPE 713 | Language Acquisition Issues 5. | 2       |
| EDSL 711 | Language Acquisition Issues 3. | 2       |

## Mathematics and Statistics

### About Mathematics and Statistics

The Department of Mathematics and Statistics offers programs that can be focused on applied mathematics, pure mathematics, and statistics leading to master's (M.A. or M.Sc.) and Ph.D. degrees. The research areas are:

- Algebra;
- Algebraic Geometry;
- Analysis;
- Category Theory;
- Data Science;
- Discrete Mathematics;
- Differential Geometry;
- Dynamical Systems;
- Geometric Group Theory;
- Logic;
- Mathematical Biology;
- Mathematical Economics;
- Mathematical Physics;
- Mathematics of Machine Learning;
- Number Theory;
- Numerical Analysis;
- Optimization;
- Partial Differential Equations;
- 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 Ph.D. program in Mathematics and Statistics is thesis only.

The Department's website provides extensive information on the Department and its facilities, including the research activities and research interests of individual faculty members. It also provides detailed supplementary information concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the *Institut des Sciences Mathématiques* (ISM) website, 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.

# Mathematics and Statistics Admission Requirements and Application Procedures

## 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.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- **Personal Statement** – In the personal statement, the applicants should clearly explain their choice of preferred area(s) of research, as well as providing relevant information that will not be reflected on their transcripts.
- **Research Proposal (optional)** – If applicants have a specific research problem of interest that they want to pursue, they may discuss the details in the research proposal.
- Applicants in pure and applied mathematics should provide a GRE score report, if available.

For more details, please consult [mcgill.ca/mathstat/graduate/prospective-students/admissions](http://mcgill.ca/mathstat/graduate/prospective-students/admissions).

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Mathematics and Statistics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Arts Programs in Mathematics and Statistics

- Mathematics and Statistics (Thesis) (M.A.) (p. 178)
- Mathematics and Statistics (Non-Thesis) (M.A.) (p. 179)
- Mathematics and Statistics (Ph.D.) (p. 179)

## Science Programs in Math and Statistics

- Mathematics and Statistics (Non-Thesis) (M.Sc.) (45 credits) (p. 503)
- Mathematics and Statistics (Ph.D.) (p. 503)
- Mathematics and Statistics (Thesis) (M.Sc.) (45 credits) (p. 503)

## Program Overview

The **Doctor of Philosophy (Ph.D.) Mathematics and Statistics** differs substantially from the master's programs in that the student must write a thesis that 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 (usually a member of the Progress Tracking Committee), an external examiner, and the Oral Examination Committee. The student must present an oral defence of the thesis before that Committee. To submit a thesis for examination, the student must first pass the Ph.D. Qualifying Examination.

## Location

Department of Mathematics and Statistics  
Burnside Hall, Room 1010  
805 Sherbrooke St. W.  
Montréal, QC H3A 0B9

Telephone: 514-398-1297  
Email: [grad.mathstat@mcgill.ca](mailto:grad.mathstat@mcgill.ca)  
Website: [mcgill.ca/mathstat/](http://mcgill.ca/mathstat/)

## Mathematics and Statistics (Thesis) (M.A.) (45 credits)

**Offered by:** Mathematics and Statistics (Faculty of Science)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts (M.A.) in Mathematics and Statistics; Thesis is an advanced program focusing on the areas of applied mathematics, pure mathematics, and statistics.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MATH 600 | Master's Thesis Research 1. | 6       |
| MATH 601 | Master's Thesis Research 2. | 6       |
| MATH 604 | Master's Thesis Research 3. | 6       |
| MATH 605 | Master's Thesis Research 4. | 6       |

## Complementary Courses (21 credits)

At least 6 approved graduate courses, at the 500, 600 or 700 level, of 3 credits or more each.

## Mathematics and Statistics (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Mathematics and Statistics (Faculty of Science)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

**\*\*This program is not currently offered.\*\***

The Master of Arts (M.A.) in Mathematics and Statistics; Non-Thesis is an advanced program focusing on the areas of applied mathematics, pure mathematics, and statistics.

## Research Project (16 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| MATH 640 | Project 1. | 8       |
| MATH 641 | Project 2. | 8       |

## Complementary Courses (29 credits)

At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

## Mathematics and Statistics (Ph.D.)

**Offered by:** Mathematics and Statistics (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Mathematics and Statistics focuses on research in the mathematical or statistical sciences, including the completion of original research publishable in mainstream refereed journals.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MATH 701 | Ph.D. Qualifying Examination . | 0       |

## Complementary Courses (21 credits)

21 credits of courses at the 500 level or above, including at least 6 credits at the 600 level or above. The choice of courses to fulfill this requirement must be prior approved by the student's Advisory Committee. The Department recommends that students take complementary courses in at least three different areas of Mathematics and Statistics.

All credits of complementary courses should be taken before the end of PhD 3. In exceptional circumstances, an extension can be granted by the student's Advisory Committee.

Students who wish to take more than 8 credits of complementary courses from outside the Department should request approval from the Graduate Program Director.

## Philosophy

### 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.

## Ph.D. Program

By December 15 of their third year in the program (Ph.D. 3) for students admitted at Ph.D. 1, and by August 15 of 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]). This paper may be worked up from a paper written to fulfil the requirements of a graduate course, and must be submitted 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 the student's 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 outside their areas of specialization.

# Philosophy Admission Requirements and Application Procedures

## Admission Requirements

### Ph.D.

The Department admits students into two degrees: Master of Arts, specialization in Biomedical Ethics, and a Doctor of Philosophy. Ph.D. 1 is a direct-entry program for students with an Honours B.A. degree in Philosophy or the equivalent. Ph.D. 2 is a program for students who hold an M.A. degree in Philosophy, or equivalent. At present, we do not consider applicants for an M.A. in Philosophy. We offer an M.A. specialization in Bioethics in conjunction with the Biomedical Ethics Unit. Information for students interested in the Specialty M.A. in

Biomedical Ethics can be found here: [mcgill.ca/equity-ethics-policy/education/masters-specialization-bioethics](http://mcgill.ca/equity-ethics-policy/education/masters-specialization-bioethics).

The Department considers an adequate undergraduate training in philosophy to be one that provides a student with:

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 (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 documented proof of competency in oral and written English (TOEFL score).

## 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.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply-now](http://mcgill.ca/gradapplicants/apply-now).

See University Regulations & Resources > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Letters of Reference — three (3) original letters of reference, from three qualified individuals familiar with your work
- Writing Sample (15–20 pages) — a sample of your written work in philosophy
- Personal Statement (2–3 pages) — explaining your reasons for wishing to undertake graduate studies in philosophy at McGill University

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Philosophy and



may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Philosophy (Ph.D.) (p. 181)
- Philosophy (Thesis): Bioethics (M.A.) (45 credits) (p. 181)
- Philosophy: Environment (Ph.D.) (p. 182)
- Philosophy: Gender and Women's Studies (Ph.D.) (p. 183)
- Philosophy: Teaching Philosophy (Ph.D.) (p. 184)

## Program Overview

### Master of Arts (M.A.) Philosophy (Thesis): Bioethics

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 credits 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.

### 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.

### Doctor of Philosophy (Ph.D.) Philosophy: Environment

**\*\*This program is currently not offered.\*\***

The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. 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 Bieler School of Environment (BSE), in partnership with participating academic units.

## Location

Department of Philosophy  
Stephen Leacock Building, 9th floor  
855 Sherbrooke St. W.  
Montréal, QC H3A 2T7

Email: [info.philosophy@mcgill.ca](mailto:info.philosophy@mcgill.ca)

Website: [mcgill.ca/philosophy](http://mcgill.ca/philosophy)

## Philosophy (Thesis): Bioethics (M.A.) (45 credits)

**Offered by:** Philosophy (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts in Philosophy; Bioethics is an interdisciplinary academic program that emphasizes both the conceptual and the practical aspects of bioethics. The standard completion time is 2 years. A thesis is required.

## Thesis Courses (24 credits)

Expand all Contract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| BIOE 690 | M.Sc. Thesis Literature Survey.        | 3       |
| BIOE 691 | M.Sc. Thesis Research Proposal.        | 3       |
| BIOE 692 | M.Sc. Thesis Research Progress Report. | 6       |
| BIOE 693 | M.Sc. Thesis.                          | 12      |

## Required Courses (9 credits)

Expand all Contract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| BIOE 680 | Bioethical Theory.       | 3       |
| BIOE 681 | Bioethics Practicum.     | 3       |
| PHIL 643 | Seminar: Medical Ethics. | 3       |

## 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.

## Philosophy (Ph.D.)

**Offered by:** Philosophy (Faculty of Arts)

**Degree:** Doctor of Philosophy

The Ph.D. in Philosophy offers training in a wide range of areas of philosophy, with specializations in ancient and medieval (especially Arabic) philosophy; early modern philosophy; Kant; philosophy of mind; philosophy of Artificial Intelligence; aesthetics; moral and political philosophy; feminist philosophy; history and philosophy of science and mathematics; and contemporary European philosophy. The program includes a candidacy paper and the preparation and defence of a thesis.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                  | Credits |
|----------|------------------------|---------|
| PHIL 682 | Pro-Seminar 3.         | 6       |
| PHIL 701 | Candidacy Examination. | 0       |
| PHIL 704 | Dissertation Seminar   | 0       |

## Complementary Courses (21-27 credits)

Students admitted to Ph.D. 1 require 27 credits.

Students admitted to Ph.D. 2 require 21 credits.

6 credits from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| PHIL 651 | Seminar: Ancient Philosophy 2.             | 3       |
| PHIL 656 | Medieval Philosophy.                       | 3       |
| PHIL 661 | Seminar: 18th Century Philosophy.          | 3       |
| PHIL 675 | Seminar: Contemporary European Philosophy. | 3       |

and/or any other course at the 500 level or higher in the history of philosophy recommended/accepted by the student's advisory committee.

6 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PHIL 627 | Seminar: Critical Philosophy of Race. | 3       |
| PHIL 634 | Seminar: Ethics.                      | 3       |
| PHIL 643 | Seminar: Medical Ethics.              | 3       |
| PHIL 644 | Political Theory.                     | 3       |
| PHIL 648 | Seminar: Philosophy of Law.           | 3       |

and/or any other course at the 500 level or higher in value theory recommended/accepted by the student's advisory committee

6 credits from the following:

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| PHIL 606 | Seminar: Philosophy of Mind.                  | 3       |
| PHIL 610 | Seminar on Advanced Logic 2.                  | 3       |
| PHIL 611 | Seminar: Philosophy of Logic and Mathematics. | 3       |
| PHIL 615 | Seminar: Philosophy of Language.              | 3       |
| PHIL 619 | Seminar: Epistemology.                        | 3       |
| PHIL 621 | Seminar: Metaphysics.                         | 3       |
| PHIL 670 | Seminar: Contemporary Analytic Philosophy.    | 3       |

and/or any other course at the 500 level or higher in metaphysics and epistemology recommended/accepted by the student's advisory committee.

3-9 credits of complementary courses must be at the 500 level or higher and are to be chosen in consultation with the student's advisory committee.

## Skills Requirement

One research language at the advanced level or two research languages at the intermediate level. Students whose research specialization does not require linguistic competence in other languages may choose, with approval from their supervisors and the Director of Graduate Studies, to take a complementary course that will enhance their research skills instead of satisfying the language requirement.

## Logic Requirement

The Logic requirement is satisfied in one of three ways:

1. The student sits a deductive logic examination set by the department.
2. The student takes and passes a deductive logic course approved by the department.
3. The student has taken an approved deductive logic course at another institution.

These credits do not count towards this program's credit requirements. The requirement must be satisfied by the end of the second year in the program.

## Philosophy: Environment (Ph.D.)

**Offered by:** Philosophy (Faculty of Arts)  
**Degree:** Doctor of Philosophy

## Program Description

**\*\*This program is currently not offered.\*\***

The Ph.D. in Philosophy; Environment is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate

ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |
| PHIL 682 | Pro-Seminar 3.                                             | 6       |
| PHIL 701 | Candidacy Examination.                                     | 0       |
| PHIL 704 | Dissertation Seminar                                       | 0       |

## Complementary Courses (27-33 credits)

Students admitted to Ph.D. 1 require 33 credits.

Students admitted to Ph.D. 2 require 27 credits.

6 credits from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| PHIL 651 | Seminar: Ancient Philosophy 2.             | 3       |
| PHIL 656 | Medieval Philosophy.                       | 3       |
| PHIL 661 | Seminar: 18th Century Philosophy.          | 3       |
| PHIL 675 | Seminar: Contemporary European Philosophy. | 3       |

and/or any other course at the 500 level or higher in the history of philosophy recommended/accepted by the student's advisory committee.

6 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PHIL 627 | Seminar: Critical Philosophy of Race. | 3       |
| PHIL 634 | Seminar: Ethics.                      | 3       |
| PHIL 643 | Seminar: Medical Ethics.              | 3       |
| PHIL 644 | Political Theory.                     | 3       |
| PHIL 648 | Seminar: Philosophy of Law.           | 3       |

and/or any other course at the 500 level or higher in value theory recommended/accepted by the student's advisory committee.

6 credits from the following:

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| PHIL 606 | Seminar: Philosophy of Mind.                  | 3       |
| PHIL 610 | Seminar on Advanced Logic 2.                  | 3       |
| PHIL 611 | Seminar: Philosophy of Logic and Mathematics. | 3       |

|          |                                            |   |
|----------|--------------------------------------------|---|
| PHIL 615 | Seminar: Philosophy of Language.           | 3 |
| PHIL 619 | Seminar: Epistemology.                     | 3 |
| PHIL 621 | Seminar: Metaphysics.                      | 3 |
| PHIL 670 | Seminar: Contemporary Analytic Philosophy. | 3 |

and/or any other course at the 500 level or higher in metaphysics and epistemology recommended/accepted by the student's advisory committee

3-6 credits from the following:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

3-9 credits of complementary courses must be at the 500 level or higher and are to be chosen in consultation with the student's advisory committee.

## Skills Requirement

Students whose research specialization does not require linguistic competence in other languages may choose, with approval from their supervisors and the Director of Graduate Studies, to take a complementary course that will enhance their research skills instead of satisfying the language requirement.

## Logic Requirement

The Logic requirement must be satisfied in one of three ways:

1. The student sits a deductive logic examination set by the department.
2. The student takes and passes a deductive logic course approved by the department.
3. The student has taken an approved deductive logic course at another institution.

These credits do not count towards this program's credit requirements. The requirement must be satisfied by the end of the second year in the program.

## Philosophy: Gender and Women's Studies (Ph.D.)

**Offered by:** Philosophy (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

The PhD in Philosophy: Gender and Women's Studies is an interdisciplinary program that focuses on gender and women's studies and issues in feminist research and methods. The candidacy paper and thesis must be on a topic centrally related to issues of gender and/or women's studies.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| PHIL 682 | Pro-Seminar 3.                 | 6       |
| PHIL 701 | Candidacy Examination.         | 0       |
| PHIL 704 | Dissertation Seminar           | 0       |
| WMST 601 | Feminist Theories and Methods. | 3       |
| WMST 602 | Feminist Research Symposium.   | 3       |

## Complementary Courses (24-30 credits)

Students admitted to Ph.D. 1 require 30 credits.

Students admitted to Ph.D. 2 require 24 credits.

6 credits from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| PHIL 651 | Seminar: Ancient Philosophy 2.             | 3       |
| PHIL 656 | Medieval Philosophy.                       | 3       |
| PHIL 661 | Seminar: 18th Century Philosophy.          | 3       |
| PHIL 675 | Seminar: Contemporary European Philosophy. | 3       |

and/or any other course at the 500 level or higher in the History of Philosophy recommended/accepted by the student's advisory committee.

6 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PHIL 627 | Seminar: Critical Philosophy of Race. | 3       |
| PHIL 634 | Seminar: Ethics.                      | 3       |
| PHIL 643 | Seminar: Medical Ethics.              | 3       |

|          |                             |   |
|----------|-----------------------------|---|
| PHIL 644 | Political Theory.           | 3 |
| PHIL 648 | Seminar: Philosophy of Law. | 3 |

and/or any other course at the 500 level or higher in Value Theory recommended/accepted by the student's advisory committee.

6 credits from the following:

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| PHIL 606 | Seminar: Philosophy of Mind.                  | 3       |
| PHIL 610 | Seminar on Advanced Logic 2.                  | 3       |
| PHIL 611 | Seminar: Philosophy of Logic and Mathematics. | 3       |
| PHIL 615 | Seminar: Philosophy of Language.              | 3       |
| PHIL 619 | Seminar: Epistemology.                        | 3       |
| PHIL 621 | Seminar: Metaphysics.                         | 3       |
| PHIL 670 | Seminar: Contemporary Analytic Philosophy.    | 3       |

and/or any other course at the 500 level or higher in Metaphysics and Epistemology recommended/accepted by the student's advisory committee.

3 credits selected from the list of Women's Studies graduate course offerings, or other graduate option- approved courses from participating departments.

3-9 credits of complementary courses must be at the 500 level or higher and are to be chosen in consultation with the student's advisory committee.

## Skills Requirement

One research language at the advanced level or two research languages at the intermediate level. Students whose research specialization does not require linguistic competence in other languages may choose, with approval from their supervisors and the Director of Graduate Studies, to take a complementary course that will enhance their research skills instead of satisfying the language requirement.

## Logic Requirement

The Logic requirement is satisfied in one of three ways:

1. The student sits a deductive logic examination set by the department.
2. The student takes and passes a deductive logic course approved by the department.
3. The student has taken an approved deductive logic course at another institution.

These credits do not count towards this program's credit requirements. The requirement must be satisfied by the end of the second year in the program.

## Philosophy: Teaching Philosophy (Ph.D.)

**Offered by:** Philosophy (Faculty of Arts)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Philosophy; Teaching Philosophy focuses on the theoretical and practical skills of teaching philosophy, as well as pedagogical issues that may be specific to the discipline of philosophy. Guidance is provided by a faculty mentor.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (10 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| ARTE 700 | Seminar: Teaching Humanities.     | 3       |
| PHIL 682 | Pro-Seminar 3.                    | 6       |
| PHIL 703 | Teaching Reflection and Practice. | 1       |
| PHIL 701 | Candidacy Examination.            | 0       |
| PHIL 704 | Dissertation Seminar              | 0       |

## Complementary Courses (21-27 Credits)

Students admitted to Ph.D. 1 require 27 credits.

Students admitted to Ph.D. 2 require 21 credits.

6 credits from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| PHIL 651 | Seminar: Ancient Philosophy 2.             | 3       |
| PHIL 656 | Medieval Philosophy.                       | 3       |
| PHIL 661 | Seminar: 18th Century Philosophy.          | 3       |
| PHIL 675 | Seminar: Contemporary European Philosophy. | 3       |

and/or any other course at the 500 level or higher in the History of Philosophy recommended/accepted by the student's advisory committee.

6 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| PHIL 627 | Seminar: Critical Philosophy of Race. | 3       |
| PHIL 634 | Seminar: Ethics.                      | 3       |
| PHIL 643 | Seminar: Medical Ethics.              | 3       |

|          |                             |   |
|----------|-----------------------------|---|
| PHIL 644 | Political Theory.           | 3 |
| PHIL 648 | Seminar: Philosophy of Law. | 3 |

and/or any other course at the 5000 level or higher in Value Theory recommended/accepted by the student's advisory committee.

6 credits from the following:

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| PHIL 606 | Seminar: Philosophy of Mind.                  | 3       |
| PHIL 610 | Seminar on Advanced Logic 2.                  | 3       |
| PHIL 611 | Seminar: Philosophy of Logic and Mathematics. | 3       |
| PHIL 615 | Seminar: Philosophy of Language.              | 3       |
| PHIL 619 | Seminar: Epistemology.                        | 3       |
| PHIL 621 | Seminar: Metaphysics.                         | 3       |
| PHIL 670 | Seminar: Contemporary Analytic Philosophy.    | 3       |

and/or any other course at the 500 level or higher in metaphysics and epistemology recommended/accepted by the student's advisory committee.

3-9 credits of complementary courses must be at the 500 level or higher and are to be chosen in consultation with the student's advisory committee.

## Skills Requirement

One research language at the advanced level or two research languages at the intermediate level. Students whose research specialization does not require linguistic competence in other languages may choose, with approval from their supervisors and the Director of Graduate Studies, to take a complementary course that will enhance their research skills instead of satisfying the language requirement.

## Logic Requirement

The Logic requirement is satisfied in one of three ways:

1. The student sits a deductive logic examination set by the department.
2. The student takes and passes a deductive logic course approved by the department.
3. The student has taken an approved deductive logic course at another institution.

These credits do not count towards this program's credit requirements. The requirement must be satisfied by the end of the second year in the program.

## Political Science

### 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; or
- 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.

Besides its traditional M.A. program, the Department also offers M.A. options in Development Studies and Gender and Women's Studies.. Interested students must apply and be accepted to both the political science M.A. program and to the option program.

For a full list of our affiliated research centres and institutes, please consult our website: [mcgill.ca/politicalscience/about-us/centres](http://mcgill.ca/politicalscience/about-us/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.

## Political Science Admission Requirements and Application Procedures

### Admission Requirements

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 enroll as Special Students in the undergraduate program and take upper-level undergraduate courses 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 degree 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.

### Reference Letters

All applicants, including those who have done their undergraduate work at McGill, must submit two letters of reference. It is recommended that you contact your referees at least a month in advance of the deadline.

**Applications that do not have references by application deadline will not be considered.**

### TOEFL Exams

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 100 on the Internet-based test (iBT), 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. 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 application deadline. IELTS test scores must be sent electronically by IELTS directly to McGill University using the McGill code **0935**.

For more information, consult the TOEFL, and IELTS websites.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply-now](http://mcgill.ca/gradapplicants/apply-now).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- research statement – M.A. – maximum one (1) page single-spaced, a concise academic statement
- research statement – Ph.D. – maximum two (2) pages single-spaced, a concise academic statement
- writing sample – Ph.D. only

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Political Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

- Political Science (Non-Thesis) (M.A.) (45 credits) (p. 189)
- Political Science (Non-Thesis): Development Studies (M.A.) (45 credits) (p. 190)
- Political Science (Non-Thesis): European Studies (M.A.) (45 credits) (p. 190)
- Political Science (Non-Thesis): Gender and Women's Studies (M.A.) (45 credits)
- Political Science (Non-Thesis): Social Statistics (M.A.) (45 credits) (p. 191)
- Political Science (Ph.D.) (p. 191)
- Political Science (Thesis) (M.A.) (45 credits) (p. 188)
- Political Science (Thesis): Development Studies (M.A.) (45 credits) (p. 188)
- Political Science (Thesis): European Studies (M.A.) (45 credits) (p. 189)
- Political Science: Gender and Women's Studies (Ph.D.) (p. 192)

# Program Overview

## Master's Programs

Students can select a program option within the Thesis program or choose to follow the regular stream within one of our four main sub-fields. Currently, the M.A. Non-Thesis (Research Project) is only offered to students applying for the option in Gender and Women's Studies. However, thesis students will be permitted to switch into the regular non-thesis program (one time only) while completing their coursework. Non-thesis Gender Studies students will also have the option to switch into the regular thesis stream (one time only).

### Master of Arts (M.A.) Political Science (Thesis)

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.

### Master of Arts (M.A.) Political Science (Thesis): Development Studies

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 [mcgill.ca/isid/teaching-programs/graduate/development-studies](http://mcgill.ca/isid/teaching-programs/graduate/development-studies).

### Master of Arts (M.A.) Political Science (Non-Thesis)

**\*\*This program is currently not offered.\*\***

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.

### Master of Arts (M.A.) Political Science (Non-Thesis): Development Studies

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 [mcgill.ca/isid/teaching-programs/graduate/development-studies](http://mcgill.ca/isid/teaching-programs/graduate/development-studies).

### Master of Arts (M.A.) Political Science (Non-Thesis): European Studies

**\*\*This program is currently not offered.\*\***

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.

### Master of Arts (M.A.) Political Science (Non-Thesis): Gender and Women's Studies

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, and 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 [mcgill.ca/igsf/programs](http://mcgill.ca/igsf/programs).

### Master of Arts (M.A.) Political Science (Non-Thesis): Social Statistics

**\*\*This program is currently not offered.\*\***

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 Advisor, and subject to approval by the Department, and a statistics-based M.A. research paper in conjunction with an interdisciplinary capstone seminar. See [mcgill.ca/socialstatistics](http://mcgill.ca/socialstatistics). Entrance to this option is by application to the Social Statistics Option Committee subsequent to acceptance into the Departmental 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.

## Location

Department of Political Science  
Stephen Leacock Building, 4th Floor  
855 Sherbrooke St. W.  
Montréal, QC H3A 2T7

Email: [graduate.polisci@mcgill.ca](mailto:graduate.polisci@mcgill.ca)  
Website: [mcgill.ca/politicalscience](http://mcgill.ca/politicalscience)

# Political Science (Thesis) (M.A.) (45 credits)

**Offered by:** Political Science (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

The M.A. program is generally recognized as among the most demanding and rewarding in Canada. Students take courses in two or more sub-fields of political science. The focus of the program is to provide training in the discipline of political science and prepare students for further graduate work. Students need 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.

## Thesis Courses (24 credits)

A thesis is required to demonstrate proficiency in research. It is normally about 60 pages long and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.

| Expand allContract all |                             |         |
|------------------------|-----------------------------|---------|
| Course                 | Title                       | Credits |
| POLI 697               | M.A. Thesis Proposal.       | 12      |
| POLI 698               | Master's Thesis Submission. | 12      |

## Required Course (3 credits)

| Expand allContract all |                         |         |
|------------------------|-------------------------|---------|
| Course                 | Title                   | Credits |
| POLI 694               | Research Preparation 1. | 3       |

## Complementary Courses (18 credits)

- 12-15 credits of 500- or 600-level courses as determined by the student's area of study.
- 3-6 credits, either of the following 3-credit options or, preferably, both:
  - or a more suitable advanced course at the 500 level or higher.

| Expand allContract all |                                        |         |
|------------------------|----------------------------------------|---------|
| Course                 | Title                                  | Credits |
| POLI 612               | Research Methods in Political Science. | 3       |

- or, one of the following courses:

| Expand allContract all |                                    |         |
|------------------------|------------------------------------|---------|
| Course                 | Title                              | Credits |
| POLI 561               | Seminar: Political Theory.         | 3       |
| POLI 613               | Selected Themes: Political Theory. | 3       |
| POLI 614               | Proseminar in Political Theory.    | 3       |
| POLI 616               | Modern Political Analysis.         | 3       |
| POLI 617               | Problems in Political Theory.      | 3       |

Of the 18 credits of complementary courses, up to 3 credits at the 500 level or higher may be outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

# Political Science (Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** Political Science (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

## Program Description

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. It provides students with broad training in development studies. Students take an interdisciplinary seminar (INTD 657 Development Studies Seminar. ) that is co-taught by professors from two different disciplines and a variety of graduate-level courses on international development issues. They write an M.A. thesis on a topic relating to development studies, approved by the DSO Coordinating Committee.

## Thesis Courses (24 credits)

| Expand allContract all |                             |         |
|------------------------|-----------------------------|---------|
| Course                 | Title                       | Credits |
| POLI 697               | M.A. Thesis Proposal.       | 12      |
| POLI 698               | Master's Thesis Submission. | 12      |

## Required Courses (6 credits)

| Expand allContract all |                              |         |
|------------------------|------------------------------|---------|
| Course                 | Title                        | Credits |
| INTD 657               | Development Studies Seminar. | 3       |
| POLI 694               | Research Preparation 1.      | 3       |

## Complementary Courses (15 credits)

9-12 credits of 500- or 600-level courses. A course list is available from the Department.

3-6 credits, either of the following 3-credit options or, preferably, both:

| Expand allContract all |                                        |         |
|------------------------|----------------------------------------|---------|
| Course                 | Title                                  | Credits |
| POLI 612               | Research Methods in Political Science. | 3       |

or a more suitable more advanced 500- or 600- level course or one of the following courses:

| Expand allContract all |                                    |         |
|------------------------|------------------------------------|---------|
| Course                 | Title                              | Credits |
| POLI 561               | Seminar: Political Theory.         | 3       |
| POLI 613               | Selected Themes: Political Theory. | 3       |

|          |                                 |   |
|----------|---------------------------------|---|
| POLI 614 | Proseminar in Political Theory. | 3 |
| POLI 616 | Modern Political Analysis.      | 3 |
| POLI 617 | Problems in Political Theory.   | 3 |

Of the 15 credits of complementary courses, up to 3 credits at the 500 level or higher may be taken from outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

## Political Science (Thesis): European Studies (M.A.) (45 credits)

**Offered by:** Political Science (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

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 take an interdisciplinary capstone seminar and two other courses on European themes and issues as part of their M.A. program. They write an M.A. thesis on a topic relating to European Studies, approved by the ESO Coordinating Committee

### Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| POLI 697 | M.A. Thesis Proposal.       | 12      |
| POLI 698 | Master's Thesis Submission. | 12      |

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| POLI 659 | The European Union and Europe . | 3       |
| POLI 694 | Research Preparation 1.         | 3       |

### Complementary Courses (15 credits)

6-9 credits at the 500, 600, or 700 level in courses in political science. A course list is available from the Department.

3-6 credits, either of the following 3-credit options, or preferably both:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| POLI 612 | Research Methods in Political Science. | 3       |

or a more suitable more advanced 500- or 600-level course.

or one of the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| POLI 561 | Seminar: Political Theory.         | 3       |
| POLI 613 | Selected Themes: Political Theory. | 3       |
| POLI 614 | Proseminar in Political Theory.    | 3       |
| POLI 616 | Modern Political Analysis.         | 3       |
| POLI 617 | Problems in Political Theory.      | 3       |

3-6 credits from the following group of courses on European politics:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| POLI 619 | Race, Ethnicity, and Politics .                    | 3       |
| POLI 628 | Comparative Politics.                              | 3       |
| POLI 629 | Politics of Eurasia.                               | 3       |
| POLI 630 | Topics in European Politics.                       | 3       |
| POLI 639 | Themes in Comparative Politics 1.                  | 3       |
| POLI 680 | Social Change/Advanced Industrialized Democracies. | 3       |

Of the 15 credits of complementary courses, up to 3 credits at the 500 level or higher may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

## Political Science (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Political Science (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Research Project (18 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| POLI 693 | M.A. Research Proposal.  | 3       |
| POLI 694 | Research Preparation 1.  | 3       |
| POLI 695 | Research Preparation 2.  | 3       |
| POLI 696 | Research Preparation 3.  | 3       |
| POLI 699 | Master's Research Essay. | 6       |

### Required Course (6 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| POLI 691 | Bibliographic Methods 1. | 6       |

### Complementary Courses (21 credits)

15-18 credits of 500- or 600-level courses; up to 6 credits may be outside the Department.

3-6 credits, either of the following 3-credit options, or preferably, both:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| POLI 612 | Research Methods in Political Science. | 3       |

or a suitable more advanced course.

One of the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| POLI 561 | Seminar: Political Theory.         | 3       |
| POLI 613 | Selected Themes: Political Theory. | 3       |
| POLI 614 | Proseminar in Political Theory.    | 3       |
| POLI 616 | Modern Political Analysis.         | 3       |
| POLI 617 | Problems in Political Theory.      | 3       |

## Political Science (Non-Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** Political Science (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

### Research Project (18 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| POLI 693 | M.A. Research Proposal.  | 3       |
| POLI 694 | Research Preparation 1.  | 3       |
| POLI 695 | Research Preparation 2.  | 3       |
| POLI 696 | Research Preparation 3.  | 3       |
| POLI 699 | Master's Research Essay. | 6       |

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| INTD 657 | Development Studies Seminar. | 3       |
| POLI 691 | Bibliographic Methods 1.     | 6       |

### Complementary Courses (18 credits)

- 12-15 credits of additional 500- or 600-level courses related to international development studies. Course list is available from the Department.
- 3-6 credits, either of the following 3-credit options or, preferably, both:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| POLI 612 | Research Methods in Political Science. | 3       |

- or a suitable more advanced 500- or 600-level course.
- One of the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| POLI 561 | Seminar: Political Theory.         | 3       |
| POLI 613 | Selected Themes: Political Theory. | 3       |
| POLI 614 | Proseminar in Political Theory.    | 3       |
| POLI 616 | Modern Political Analysis.         | 3       |
| POLI 617 | Problems in Political Theory.      | 3       |

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.

## Political Science (Non-Thesis): European Studies (M.A.) (45 credits)

**Offered by:** Political Science (Faculty of Arts)  
**Degree:** Master of Arts  
**Program credit weight:** 45

### Research Project (18 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| POLI 693 | M.A. Research Proposal.  | 3       |
| POLI 694 | Research Preparation 1.  | 3       |
| POLI 695 | Research Preparation 2.  | 3       |
| POLI 696 | Research Preparation 3.  | 3       |
| POLI 699 | Master's Research Essay. | 6       |

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| POLI 659 | The European Union and Europe . | 3       |
| POLI 691 | Bibliographic Methods 1.        | 6       |

### Complementary Courses (18 credits)

- 3-6 credits at the 500, 600, or 700 level in courses in the Department. A course list is available from the Department.
- 3-6 credits, either of the following 3-credit options or, preferably, both:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| POLI 612 | Research Methods in Political Science. | 3       |

- or a suitable more advanced 500- or 600-level course
- or one of the following courses:

Expand allContract all



| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| POLI 561 | Seminar: Political Theory.         | 3       |
| POLI 613 | Selected Themes: Political Theory. | 3       |
| POLI 614 | Proseminar in Political Theory.    | 3       |
| POLI 616 | Modern Political Analysis.         | 3       |
| POLI 617 | Problems in Political Theory.      | 3       |

- 6-9 credits from the following group of courses on European Politics:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| POLI 619 | Race, Ethnicity, and Politics .                    | 3       |
| POLI 628 | Comparative Politics.                              | 3       |
| POLI 629 | Politics of Eurasia.                               | 3       |
| POLI 630 | Topics in European Politics.                       | 3       |
| POLI 639 | Themes in Comparative Politics 1.                  | 3       |
| POLI 680 | Social Change/Advanced Industrialized Democracies. | 3       |

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 approved by the Department.

## Political Science (Non-Thesis): Social Statistics (M.A.) (45 credits)

**Offered by:** Political Science (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

This program is currently not offered.

## Research Project (18 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| POLI 693 | M.A. Research Proposal.  | 3       |
| POLI 694 | Research Preparation 1.  | 3       |
| POLI 695 | Research Preparation 2.  | 3       |
| POLI 696 | Research Preparation 3.  | 3       |
| POLI 699 | Master's Research Essay. | 6       |

## Required Course (6 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| POLI 691 | Bibliographic Methods 1. | 6       |

## Complementary Courses (21 credits)

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.

3 credits chosen from the following:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ECON 688 | Seminar on Social Statistics. | 3       |
| POLI 688 | Seminar on Social Statistics. | 3       |

3-6 credits, either of the following 3-credit options, or preferably both:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| POLI 612 | Research Methods in Political Science. | 3       |

or a suitable more advanced course.

One of the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| POLI 561 | Seminar: Political Theory.         | 3       |
| POLI 613 | Selected Themes: Political Theory. | 3       |
| POLI 614 | Proseminar in Political Theory.    | 3       |
| POLI 616 | Modern Political Analysis.         | 3       |
| POLI 617 | Problems in Political Theory.      | 3       |

Candidates for the M.A. degree follow a program approved on an individual basis by the Department.

## Political Science (Ph.D.)

**Offered by:** Political Science (Faculty of Arts)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in Political Science focuses on the following political science subfields: international relations, comparative politics, Canadian politics, and political theory. Broad training is provided in the discipline and specialization in two major fields of choice is required. Comprehensive exams in two fields are taken in the first and/or second year of study, in consultation with supervisors, field coordinators, and the Graduate Program Director.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms

for academic and scholarly expression and for publication in the public domain.

Required Courses

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| POLI 700 | PhD Research Seminar.                           | 0       |
| POLI 701 | Ph.D. General Written Examination First Field.  | 0       |
| POLI 702 | Ph.D. General Written Examination Second Field. | 0       |
| POLI 799 | Ph.D. Oral Comprehensive Examination.           | 0       |

Complementary Courses (39 credits)

39 credits at the 500 or 600 level, chosen as follows:

Major Fields

12 credits chosen in first major field of which 3 credits must be the core course in the field.

9 credits chosen in second major field of which 3 credits must be the core course in the field.

Political Theory

3 credits in political theory at the 500 or 600 level.

Methods

3 credits from the following:

or another suitable Advanced Methods course.

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| POLI 612 | Research Methods in Political Science. | 3       |

Remaining Courses

12 credits of which at least 3 credits must be outside the student's major fields. For students that choose the advanced methods courses as part of the Advanced Research Tools, 6 of these 12 credits must be the advanced methods courses.

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 Methods: To fulfil this requirement, students must complete 9 advanced methods credits (600 or 700 level) in qualitative and quantitative methods, selected in consultation with the student advisor, the Graduate program Director, and the methods coordinator. Students for whom Methods is one of their major fields will automatically fulfil the Advanced Research Tool requirement.

Political Science: Gender and Women's Studies (Ph.D.)

Offered by: Political Science (Faculty of Arts)  
Degree: Doctor of Philosophy

Program Description

The Ph.D. in Political Science; Gender and Women's Studies focuses on gender and women studies of the foundation in political science theory and methods in the following political science subfields: international relations, comparative politics, Canadian politics, methods, and political theory. Broad training is provided in the discipline and specialization in two major fields of choice is required. Training in feminist research methods and theories is required. Comprehensive exams in two fields are taken in the first and/or second year of study, in consultation with supervisors, field coordinators, and the Graduate Program Director. Participation in a research symposium that brings together gender studies' researchers from across disciplines is mandatory.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (6 credits)

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| POLI 700 | PhD Research Seminar.                           | 0       |
| POLI 701 | Ph.D. General Written Examination First Field.  | 0       |
| POLI 702 | Ph.D. General Written Examination Second Field. | 0       |
| POLI 799 | Ph.D. Oral Comprehensive Examination.           | 0       |
| WMST 601 | Feminist Theories and Methods.                  | 3       |
| WMST 602 | Feminist Research Symposium.                    | 3       |

Complementary Courses (33 credits)

33 credits at the 500 or 600 level, chosen as follows:

Major Fields

12 credits chosen in the first major field of which 3 credits must be the core course in the field.

9 credits chosen in the second major field of which 3 credits must be the core course in the field.

Political Theory

3 credits in political theory at the 500 or 600 level.

## Methods

3 credits of the following:

or another suitable Advanced Methods course.

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| POLI 612 | Research Methods in Political Science. | 3       |

## Gender Courses

3 credits at the 500 level or higher of an option-approved course in consultation with the program advisor.

## Remaining Courses

3 credits which may be outside the student's major fields. For students that choose the advanced methods courses as part of the Advanced Research Tools, 3 credits must be the advanced methods courses.

## 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 3 advanced methods credits (at the 600, or 700 level) in qualitative or quantitative methods, selected in consultation with the student advisor, the Graduate Program Director, and the methods coordinator. Students for whom Methods is one of their major fields will automatically fulfil the Advance Research Tool requirement.

## Psychology

### About Psychology

The Department of Psychology at McGill University offers two primary graduate training tracks: the Experimental Psychology Program and the Clinical Psychology Program. Each is designed to support distinct academic and professional goals, whether in research, teaching, or clinical practice.

The aim of the **Experimental Psychology** track 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.

The **Clinical Psychology** track 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 hospital, clinical, or educational settings). 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; the Department offers direct entry to a doctoral degree for holders of an undergraduate degree, and students are expected to complete the full program leading to a doctoral degree.

Research interests of members of the Psychology Department include:

- behavioural neuroscience;
- clinical psychology;
- cognition and cognitive neuroscience;
- developmental science;
- health psychology;
- quantitative psychology and modelling; and
- social 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 and Hospital, Allan Memorial Institute, Douglas Mental Health University Institute, Jewish General Hospital, Montreal Children's Hospital, and Montreal General Hospital to permit graduate students to undertake research in a hospital setting.

**Note:** Many MUHC-affiliated hospitals and institutes are now located at the Glen site; further information is available on the MUHC website.

For inquiries about all programs and financial aid, and for application forms, contact the Graduate Program Administrator ([psychology.grad@mcgill.ca](mailto:psychology.grad@mcgill.ca)).

### Ph.D. Option in Behavioural Neuroscience

Information about this option is available from the Department and at [mcgill.ca/psychology/graduate/program-tracks](http://mcgill.ca/psychology/graduate/program-tracks).

### Ph.D. Option in Language Acquisition (LAP)

Information about this option is available from the Department and at [psych.mcgill.ca/lap.html](http://psych.mcgill.ca/lap.html) and [mcgill.ca/psychology/graduate/program-tracks/experimental/additional-program-opportunities](http://mcgill.ca/psychology/graduate/program-tracks/experimental/additional-program-opportunities).

## Psychology Admission Requirements and Application Procedures

### 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 Major 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. Students applying to the clinical program are advised to complete 42 specific undergraduate credits in psychology as specified by the Order of Psychologists of Quebec (*Ordre des psychologues du Québec*).

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.

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application deadlines and that applications for scholarships and fellowships should be submitted through their home university.

The GRE General Test as well as the Psychology Subject Test are not mandatory, but if you wish to take either or both, your scores can be submitted to us and will be added to your application.

**Note:** Official transcripts do not need to be included as part of an application; they will only be requested once applicants are formally accepted into the program.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- three letters of reference
- personal statement
- curriculum vitae
- application summary sheet

For further details about these additional requirements, consult the Department of Psychology website.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Psychology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

- Psychology (Ph.D.) (p. 195)
- Psychology (Thesis) (M.A.) (45 credits) (p. 194)
- Psychology: Behavioural Neuroscience (Ph.D.) (p. 196)
- Psychology: Language Acquisition (Ph.D.) (p. 196)

## Program Overview

### Master of Arts (M.A.) Psychology (Thesis)

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.

### Master of Science (M.Sc.) Psychology (Thesis)

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.

The course requirements for the M.Sc. and the M.A. are identical. You can choose either M.Sc. or M.A. according to your preference.

### Doctor of Philosophy (Ph.D.) Psychology

Please contact the Department for more information about this program.

### 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.

## Location

Department of Psychology  
2001 McGill College Avenue, 7th Floor  
Montréal, QC H3A 1G1

Telephone: 514-398-6127/514-398-6137

Email: [psychology.grad@mcgill.ca](mailto:psychology.grad@mcgill.ca) ([grad.psych@mcgill.ca](mailto:grad.psych@mcgill.ca))

Website: [mcgill.ca/psychology](http://mcgill.ca/psychology)

## Psychology (Thesis) (M.A.) (45 credits)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Psychology focuses on research in the field of psychology, culminating in the submission of a thesis. The program emphasizes the

skills in critical reading, data collection, and scientific communication. This program typically takes 2 years to complete.

## Thesis Courses (27 credits)

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| PSYC 690 | Masters Research 1. | 15      |
| PSYC 699 | Masters Research 2. | 12      |

## Required Courses (18 credits)

Expand allContract all

| Course     | Title                      | Credits |
|------------|----------------------------|---------|
| PSYC 601   | First Year Research Paper. | 6       |
| PSYC 650   | Advanced Statistics 1.     | 3       |
| PSYC 651   | Advanced Statistics 2.     | 3       |
| PSYC 660D1 | Psychology Theory.         | 3       |
| PSYC 660D2 | Psychology Theory.         | 3       |

## Psychology (Ph.D.)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Course

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| PSYC 701 | Doctoral Comprehensive Examination. | 0       |

## Complementary Courses (12-24 credits)

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

Expand allContract all

| Course     | Title                                       | Credits |
|------------|---------------------------------------------|---------|
| PSYC 712   | Comparative and Physiological Psychology 3. | 3       |
| PSYC 715   | Comparative and Physiological Psychology 6. | 3       |
| PSYC 722   | Personality and Social Psychology.          | 3       |
| PSYC 723   | Personality and Social Psychology.          | 3       |
| PSYC 724   | Personality and Social Psychology.          | 3       |
| PSYC 725   | Personality and Social Psychology.          | 3       |
| PSYC 727   | Personality and Social Psychology.          | 3       |
| PSYC 728   | Ethics and Professional Issues.             | 3       |
| PSYC 729   | Theory of Assessment.                       | 3       |
| PSYC 730   | Clinical Neuroscience Methods.              | 3       |
| PSYC 732   | Clinical Psychology 1.                      | 3       |
| PSYC 733   | Clinical Psychology 2.                      | 3       |
| PSYC 734   | Developmental Psychology and Language.      | 3       |
| PSYC 735   | Developmental Psychology and Language.      | 3       |
| PSYC 736   | Developmental Psychology and Language.      | 3       |
| PSYC 740   | Perception and Cognition.                   | 3       |
| PSYC 741   | Perception and Cognition.                   | 3       |
| PSYC 742   | Perception and Cognition.                   | 3       |
| PSYC 744   | Perception and Cognition.                   | 3       |
| PSYC 746   | Quantitative and Individual Differences.    | 3       |
| PSYC 747   | Quantitative and Individual Differences.    | 3       |
| PSYC 748   | Quantitative and Individual Differences.    | 3       |
| PSYC 749   | Quantitative and Individual Differences.    | 3       |
| PSYC 750   | Applied Bayesian Statistics.                | 3       |
| PSYC 752D1 | Psychotherapy and Behaviour Change.         | 3       |
| PSYC 752D2 | Psychotherapy and Behaviour Change.         | 3       |
| PSYC 753   | Health Psychology Seminar 1.                | 3       |

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| PSYC 650   | Advanced Statistics 1. | 3       |
| PSYC 651   | Advanced Statistics 2. | 3       |
| PSYC 660D1 | Psychology Theory.     | 3       |
| PSYC 660D2 | Psychology Theory.     | 3       |

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.

## Psychology: Behavioural Neuroscience (Ph.D.)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in Psychology: Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurobiological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise; the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes as determined by the graduate program director.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| PSYC 701 | Doctoral Comprehensive Examination.        | 0       |
| PSYC 781 | Behavioural Neuroscience Special Topics.   | 3       |
| PSYC 782 | Behavioural Neuroscience Advanced Seminar. | 3       |

### Complementary Courses (6-18 credits)

6 credits (one course per term in Year 2 and Year 3) chosen from relevant 700-level courses in consultation with the supervisor and graduate program director.

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

Expand allContract all

| Course   | Title                  | Credits |
|----------|------------------------|---------|
| PSYC 650 | Advanced Statistics 1. | 3       |
| PSYC 651 | Advanced Statistics 2. | 3       |

|            |                    |   |
|------------|--------------------|---|
| PSYC 660D1 | Psychology Theory. | 3 |
| PSYC 660D2 | Psychology Theory. | 3 |

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.

## Psychology: Language Acquisition (Ph.D.)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Doctor of Philosophy

### Program Description

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.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| LING 710 | Language Acquisition Issues 2.      | 2       |
| PSYC 701 | Doctoral Comprehensive Examination. | 0       |
| PSYC 709 | Language Acquisition Issues 1.      | 2       |
| SCSD 712 | Language Acquisition Issues 4.      | 2       |

### Complementary Courses (15-32 credits)

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| PSYC 712 | Comparative and Physiological Psychology 3. | 3       |
| PSYC 715 | Comparative and Physiological Psychology 6. | 3       |
| PSYC 722 | Personality and Social Psychology.          | 3       |
| PSYC 723 | Personality and Social Psychology.          | 3       |
| PSYC 724 | Personality and Social Psychology.          | 3       |
| PSYC 725 | Personality and Social Psychology.          | 3       |
| PSYC 727 | Personality and Social Psychology.          | 3       |

|            |                                          |     |
|------------|------------------------------------------|-----|
| PSYC 728   | Ethics and Professional Issues.          | 3   |
| PSYC 729   | Theory of Assessment.                    | 3   |
| PSYC 730   | Clinical Neuroscience Methods.           | 3   |
| PSYC 732D1 | Clinical Psychology 1.                   | 1.5 |
| PSYC 732D2 | Clinical Psychology 1.                   | 1.5 |
| PSYC 733D1 | Clinical Psychology 2.                   | 1.5 |
| PSYC 733D2 | Clinical Psychology 2.                   | 1.5 |
| PSYC 734   | Developmental Psychology and Language.   | 3   |
| PSYC 735   | Developmental Psychology and Language.   | 3   |
| PSYC 736   | Developmental Psychology and Language.   | 3   |
| PSYC 740   | Perception and Cognition.                | 3   |
| PSYC 741   | Perception and Cognition.                | 3   |
| PSYC 742   | Perception and Cognition.                | 3   |
| PSYC 744   | Perception and Cognition.                | 3   |
| PSYC 746   | Quantitative and Individual Differences. | 3   |
| PSYC 747   | Quantitative and Individual Differences. | 3   |
| PSYC 748   | Quantitative and Individual Differences. | 3   |
| PSYC 749   | Quantitative and Individual Differences. | 3   |
| PSYC 750   | Applied Bayesian Statistics.             | 3   |
| PSYC 752D1 | Psychotherapy and Behaviour Change.      | 3   |
| PSYC 752D2 | Psychotherapy and Behaviour Change.      | 3   |
| PSYC 753   | Health Psychology Seminar 1.             | 3   |

At least 3 credits selected from the following list:

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| EDSL 620 | Social Justice Issues in Second Language Education. | 3       |
| EDSL 623 | Second Language Learning.                           | 3       |
| EDSL 624 | Educational Sociolinguistics.                       | 3       |
| EDSL 627 | Instructed Second Language Acquisition Research.    | 3       |
| EDSL 632 | Second Language Literacy Development.               | 3       |
| LING 651 | Topics in Acquisition of Phonology.                 | 3       |
| PSYC 545 | Topics in Language Acquisition.                     | 3       |
| PSYC 735 | Developmental Psychology and Language.              | 3       |
| SCSD 619 | Phonological Development.                           | 3       |
| SCSD 632 | Phonological Disorders: Children.                   | 3       |
| SCSD 637 | Developmental Language Disorders 1.                 | 3       |
| SCSD 643 | Developmental Language Disorders 2.                 | 3       |
| SCSD 652 | Advanced Research Seminar 1.                        | 3       |
| SCSD 653 | Advanced Research Seminar 2.                        | 3       |
| SCSD 654 | Advanced Research Seminar 3.                        | 3       |

0-2 from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EDPE 713 | Language Acquisition Issues 5. | 2       |
| EDSL 711 | Language Acquisition Issues 3. | 2       |

0-3 credits of statistics from the following list:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| EDPE 676 | Intermediate Statistics.           | 3       |
| EDPE 682 | Univariate/Multivariate Analysis.  | 3       |
| LING 620 | Experimental Linguistics: Methods. | 3       |
| PSYC 650 | Advanced Statistics 1.             | 3       |
| PSYC 651 | Advanced Statistics 2.             | 3       |

Students who have taken an equivalent course in statistics will be deemed to have satisfied this requirement for the Language Acquisition Option.

These 3 credits are only required for students who have not previously taken an equivalent course in statistics.

0-12 credits from the following (students without a McGill master's degree need to take all 12 credits):

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| PSYC 650   | Advanced Statistics 1. | 3       |
| PSYC 651   | Advanced Statistics 2. | 3       |
| PSYC 660D1 | Psychology Theory.     | 3       |
| PSYC 660D2 | Psychology Theory.     | 3       |

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.

## Public Policy

### About Public Policy

The Max Bell School of Public Policy's flagship teaching program is a one-year Master of Public Policy (M.P.P.), combining courses in the theory of public policy with courses covering the complexities of the real-world policymaking process. The program will tackle today's most important policy issues in Canada and around the world from varied perspectives. It will also place more emphasis than is usual in such programs on practical skills including conflict resolution, persuasive writing, effective presentations, and the briefing of officials.

More than ever, the world needs public policy that is creative, bold, and effective. That is why we're excited about the Max Bell School of Public Policy and its flagship master's program, whose mission is to explore the complexities of the policymaking process from various perspectives and to prepare the policy leaders of the future, in Canada and around the world.

# Public Policy Admission Requirements and Application Procedures

## Admission Requirements

The Master of Public Policy (M.P.P.) program is directed at early career professionals—ideally with two to five years of professional experience—who are interested in developing expertise in the field of public policy. Recent graduates with an exceptional academic record will also be considered; however, in the absence of professional experience, more weight will be placed on the applicants' academic record.

A bachelor's degree (or equivalent as recognized by McGill University) is required.

The ideal applicant will have completed undergraduate courses in Political Science, Economics, Quantitative Methods, and Statistics.

An overall cumulative grade point average (CGPA) of 3.6/4.0 or higher is recommended. A minimum CGPA of 3.0/4.0, OR a grade point average (GPA) of 3.2/4.0 in the last two years of full-time studies is required.

Applicants 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) are required to take the Test of English as a Foreign Language (TOEFL). A minimum score of 100 for the Internet-based test (iBT) with each component score not less than 20 is required. Please use McGill's institutional code, 0935, when writing the exam.

Applicants may write the IELTS (International English Language Testing Systems) instead of the TOEFL exam. A minimum overall band score of 7.0 is required, with each component score not less than 7.0. IELTS test scores must be sent electronically by IELTS directly to McGill University using McGill's institutional code: **0935**.

Please check if you may qualify for English language proficiency exemptions.

## Application Procedures

McGill's online application form for graduate program candidates is available at [future.mcgill.ca/apply](http://future.mcgill.ca/apply).

Detailed application procedures are available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Personal Statement (1,000 words). Your essay should explain why your background makes you an ideal candidate for the Max Bell M.P.P. program, and how success in this program will enable you to achieve your professional goals
- *Curriculum vitae*
- Two letters of reference, ideally one academic and one professional
- TOEFL or IELTS score written within the past two years (where applicable)

## Interview

After a preliminary review of their file, some candidates may be invited for an interview, to be conducted remotely. We would like to highlight the importance of the interview as it is not only for the admissions committee to better understand your background and experiences, but also an important opportunity for you to ask key questions and ensure that the Max Bell School M.P.P. program is right for you. During the interview you will be asked to talk about your interests in public policy, and what you hope to accomplish following your M.P.P. experience.

## Application Dates and Deadlines

The deadline to complete your application is January 15th (international applicants) or February 1st (Canadian applicants), including submission of all supporting documents. Please note: Entrance to the M.P.P. program is highly competitive. It is in the applicant's interest to apply as early as possible. 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.

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines). The school's admission requirements and application procedures are available at [mcgill.ca/maxbellschool/mpp/admissions-guide](http://mcgill.ca/maxbellschool/mpp/admissions-guide).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Public Policy (Non-Thesis) (M.P.P.) (45 credits) (p. 198)

## Location

Max Bell School of Public Policy  
680 Sherbrooke St. W., Suite 600  
Montréal, QC H3A 2M7

Telephone: 514-398-1937

Email: [maxbell.school@mcgill.ca](mailto:maxbell.school@mcgill.ca)

Website: [mcgill.ca/maxbellschool](http://mcgill.ca/maxbellschool)

## Public Policy (Non-Thesis) (M.P.P.) (45 credits)

**Offered by:** School of Public Policy (Faculty of Arts)

**Degree:** MPP

**Program credit weight:** 45

## Program Description

The Max Bell School of Public Policy's teaching program is a one-year Master of Public Policy; Non-Thesis, with a small student cohort to optimize learning and exchange. Combining courses in the theory of public policy with those covering the complexities of the real-world policy process, the program approaches today's most important policy issues in Canada and around the world from varied perspectives to prepare the next generation of policy leaders. The MPP program aims to place more emphasis than is usual in such programs on developing practical skills crucial to future policy leaders, including conflict resolution, persuasive writing, effective presentations and the briefing of officials.

The Master of Public Policy; Non-Thesis, is directed at early career professionals, normally with two to five years' professional experience,

who are interested in developing expertise in the field of public policy. Recent graduates with an exceptional academic record will also be considered. A Bachelor's degree (or equivalent as recognized by McGill University) is required. The ideal applicant will have completed undergraduate courses in Political Science, Economics, Quantitative Methods, and/or Statistics.

## Required Courses (21 credits)

Expand allContract all

| Course     | Title                              | Credits |
|------------|------------------------------------|---------|
| PPOL 602   | Microeconomics for Public Policy.  | 3       |
| PPOL 604   | Law and Policy.                    | 3       |
| PPOL 606   | Experts, Science and Evidence.     | 3       |
| PPOL 609   | Reasoning About Public Policy.     | 3       |
| PPOL 620D1 | Client-Focused Policy Laboratory . | 4.5     |
| PPOL 620D2 | Client-Focused Policy Laboratory.  | 4.5     |

## Complementary Courses (24 credits)

3 credits selected from the following courses:

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| PPOL 611 | Canadian Political and Policy Landscape. | 3       |
| PPOL 613 | Global Political and Policy Landscape.   | 3       |

3 credits selected from the following courses:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| PPOL 605 | Analytical Methods for Policy Evaluation . | 3       |
| PPOL 608 | Theory and Practice of Program Evaluation. | 3       |

6 credits from the following:

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| PPOL 601 | Global Macroeconomic Policy.         | 3       |
| PPOL 603 | Comparative Democracies.             | 3       |
| PPOL 607 | Information and Media Literacy.      | 3       |
| PPOL 610 | Science and Policy.                  | 3       |
| PPOL 612 | U.S. Political and Policy Landscape. | 3       |
| PPOL 614 | Canada-U.S Policy Relationship.      | 3       |
| PPOL 615 | Climate Policy.                      | 3       |
| PPOL 616 | Human Rights and Policymaking.       | 3       |
| PPOL 617 | Indigenous Public Policy.            | 3       |
| PPOL 618 | Special Topics in Pub Policy 1.      | 3       |
| PPOL 619 | Special Topics in Pub Policy 2.      | 3       |

4 credits from the following courses:

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| PPOL 631 | Policy Case Study 1.  | 1       |
| PPOL 632 | Policy Case Study 2.  | 1       |
| PPOL 633 | Policy Case Study 3.  | 1       |
| PPOL 634 | Policy Case Study 4.  | 1       |
| PPOL 635 | Policy Case Study 5 . | 1       |
| PPOL 636 | Policy Case Study 6.  | 1       |
| PPOL 637 | Policy Case Study 7.  | 1       |
| PPOL 638 | Policy Case Study 8.  | 1       |

8 credits from the following courses:

Expand allContract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| PPOL 640 | Policymaking in a World of Business .        | 2       |
| PPOL 641 | Rhetoric and Communication of Public Policy. | 2       |
| PPOL 642 | Policy and Globalization.                    | 2       |
| PPOL 643 | Ethical Dimensions of Policymaking .         | 2       |
| PPOL 644 | Stakeholder Management.                      | 2       |
| PPOL 645 | Partisan Politics and Policy Process .       | 2       |
| PPOL 646 | Budgeting and Fiscal Policy.                 | 2       |
| PPOL 647 | Achieving Policy Transparency .              | 2       |
| PPOL 648 | Race, Inequality, and Public Policy.         | 2       |
| PPOL 649 | Regulatory Systems.                          | 2       |
| PPOL 650 | Special Topics in Policy Complexity 1.       | 2       |
| PPOL 651 | Special Topics in Policy Complexity 2.       | 2       |
| PPOL 652 | Special Topics in Policy Complexity 3.       | 2       |
| PPOL 653 | Digital Governance.                          | 2       |

## Quebec Studies / Études sur le Québec

### About Quebec Studies / Études sur le Québec

The **Quebec Studies Program (QSP)** originates from the **French-Canadian Studies Program**, established in 1963 at McGill University. The program's current name, which highlights the emphasis on Quebec in its course offerings, dates back to 1992. In collaboration with several units within the **Faculty of Arts**, the QSP works to develop teaching on Quebec as well as **experiential and community-engaged learning (ExCEL)**. Since 2014, the program has benefited from the network of researchers affiliated with the **Centre for Interdisciplinary Research on Montreal (CIRM)**.

The **Quebec Studies Program** offers undergraduate courses. Students wishing to pursue graduate studies leading to a master's or doctoral degree on Quebec must apply to a unit or department that offers graduate-level programs.

The program welcomes and provides resources to all students interested in Quebec and its study, whether or not they are enrolled in the **Minor in Quebec Studies and Community Engaged Learning**.



Le Programme d'études sur le Québec (PÉQ) est issu du Centre d'études canadiennes-françaises créé en 1963 à McGill. Le nom actuel du Programme, qui reflète l'importance accordée au Québec dans les cours qu'on y offre, remonte à 1992. En collaboration avec plusieurs unités de la Faculté des arts, il travaille à développer l'enseignement sur le Québec et l'apprentissage par expérience et engagement communautaire (ApEEC). Depuis 2014, le PÉQ peut bénéficier du réseau de chercheurs circulant au sein du Centre de recherches interdisciplinaires en études montréalaises (CRIEM).

Le Programme d'études sur le Québec offre des cours de premier cycle. Les étudiants qui désirent poursuivre des études supérieures en vue de l'obtention d'une maîtrise ou d'un doctorat sur le Québec doivent se tourner vers une unité ou un département qui offre des programmes d'études supérieures.

Le Programme ouvre ses portes et ses ressources à tous les étudiants qui s'intéressent au Québec et à son étude, qu'ils soient ou non inscrits à la mineure en études québécoises et apprentissage par engagement communautaire.

## Location

Quebec Studies Program / *Programme d'études sur le Québec*  
840 Doctor-Penfield Ave., Room 102-E  
Montréal, QC H3A 1A4

Telephone: 514-398-3960  
Website: mcgill.ca/qcst

Director — Professor Pascal Brissette

Québec Studies Scientific Coordinator — Stéphan Gervais

## Religious Studies

### About Religious Studies

The School 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 option in Gender and Women's Studies
- Master of Sacred Theology (S.T.M.)
- Doctor of Philosophy (Ph.D.)
- Doctor of Philosophy (Ph.D.) with option in Gender and Women's Studies

The areas of graduate specializations of our School are:

- Buddhism
- Christian History and Theology
- Catholic Studies
- Early Judaism
- Hebrew Bible/Old Testament Studies
- Hinduism
- Interfaith Studies
- New Testament Studies
- Philosophy of Religion
- Religious Ethics

- Religion and Globalization
- Religion and Modernity
- Religion and the Public Sphere
- Sociology of Islam

The many different areas of research interest among members of the School frequently require the hiring of graduate students as research assistants. The School 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 and permits M.A. and Ph.D. students to work as teaching assistants. The individual programs are described below.

Adequate library and study 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 School of Religious Studies offers courses in primary text source languages, such as Biblical Hebrew, Ancient Greek, Aramaic, Sanskrit, and classical literary Tibetan. The School relies upon other McGill units for instruction in languages other than those mentioned above.

### 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 is exempted; language requirements, if any, will be determined in the process of supervision.

### 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. (Master of Sacred Theology)

The S.T.M. program has no additional language requirement.

## Religious Studies Admission Requirements and Application Procedures

### 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 complete a Qualifying program before entering the M.A.



### **Master of Arts (M.A.) in Religious Studies (Thesis) – Gender and Women's Studies Option**

Applicants must possess a B.A. with a Major or Honours in Religious Studies, 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 complete a Qualifying program before entering the M.A.

### **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, at:

2001 McGill College Avenue

12th floor, Suite 1209

Email: [amelie.quesnelvallee@mcgill.ca](mailto:amelie.quesnelvallee@mcgill.ca)

Website: <https://www.mcgill.ca/equity-ethics-policy>

### **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 complete 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 involves at least 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 (maximum 30 pages) with their application. The application should specify one of the specializations listed in About Religious Studies.

### **Doctor of Philosophy (Ph.D.) in Religious Studies – Gender and Women's Studies Option**

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 involves at least 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 (maximum 30 pages) with their application. The application should specify one of the specializations listed in About Religious Studies.

### **English Language Proficiency**

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/proficiency](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/proficiency).

### **Application Procedures**

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations and Resources > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### **Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Personal Statement – approximately 500 words
- Written Work – recent academic writing, maximum 30 pages.

### **Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Religious Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### **Available Programs**

- Religious Studies (Non-Thesis) (M.A.) (45 credits) (p. 203)
- Religious Studies (Non-Thesis) (S.T.M.) (45 credits) (p. 204)
- Religious Studies (Ph.D.) (p. 204)
- Religious Studies (Thesis) (M.A.) (45 credits) (p. 202)
- Religious Studies (Thesis): Bioethics (M.A.) (45 credits) (p. 203)

- Religious Studies (Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 203)
- Religious Studies: Gender and Women's Studies (Ph.D.) (p. 205)

## Program Overview

### Master of Arts (M.A.) Religious Studies (Thesis)

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. The M.A. (Thesis) program in Religious Studies offers a specialization in Bioethics and an option in Gender and Women's Studies.

### Master of Arts (M.A.) Religious Studies (Thesis): Bioethics

The M.A. (Thesis) with specialization in Bioethics is offered in conjunction with the Bioethics Unit. Please contact the School of Religious Studies 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.

### Master of Arts (M.A.) Religious Studies (Thesis): Gender and Women's Studies

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 academic units 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.

### Master of Arts (M.A.) Religious Studies (Non-Thesis)

The non-thesis M.A. in Religious Studies 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.

### Master of Sacred Theology (S.T.M.) Religious Studies (Non-Thesis)

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.

### 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 School of Religious Studies one of few schools that prioritizes offering graduate students opportunities under faculty supervision to teach/lecture during their time in the program.

### 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 meeting the degree requirements in Religious Studies who wish to focus on gender-related issues and feminist research and methodologies. Research focuses on a topic relating to gender issues or women's studies.

## Location

School of Religious Studies  
William and Henry Birks Building  
3520 University St.  
Montréal, QC H3A 2A7

Telephone: 514-398-4121

Website: [mcgill.ca/religiousstudies](http://mcgill.ca/religiousstudies)

## Religious Studies (Thesis) (M.A.) (45 credits)

**Offered by:** Religious Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts (M.A.) in Religious Studies is a research-intensive program that emphasizes tailored and intensive learning opportunities. The program focuses on skills in critical thinking, literature review, and scientific communication.

## Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| RELG 688 | Thesis Research 1. | 3       |
| RELG 689 | Thesis Research 2. | 3       |
| RELG 698 | Thesis Research 3. | 9       |
| RELG 699 | Thesis Research 4. | 12      |

## Required Course (3 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| RELG 645 | Methods in Religious Studies. | 3       |

## Complementary Courses (15 credits)

15 credits selected from the 500- or 600-level courses accepted by the School 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.

## Religious Studies (Thesis): Bioethics (M.A.) (45 credits)

**Offered by:** Religious Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The Master of Arts (M.A.) in Religious Studies; Bioethics is offered in collaboration with the Biomedical Ethics Unit. The program focuses on the conceptual frameworks and tools to address fundamental questions about life and the interventions by healthcare in research, policy and practice. The program includes a thesis and practicum on bioethics.

### Thesis Courses (24 credits)

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| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| BIOE 690 | M.Sc. Thesis Literature Survey.        | 3       |
| BIOE 691 | M.Sc. Thesis Research Proposal.        | 3       |
| BIOE 692 | M.Sc. Thesis Research Progress Report. | 6       |
| BIOE 693 | M.Sc. Thesis.                          | 12      |

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| BIOE 680 | Bioethical Theory.             | 3       |
| BIOE 681 | Bioethics Practicum.           | 3       |
| RELG 571 | Ethics, Medicine and Religion. | 3       |
| RELG 645 | Methods in Religious Studies.  | 3       |

### 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.

## Religious Studies (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Religious Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The Master of Arts (M.A.) Religious Studies; Gender and Women's Studies focuses on cross-disciplinary studies in feminist, women's, and gender studies. The Thesis must focus on research on gender-related issues and feminist research and methodologies.

## Thesis Courses

27 credits from:

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| RELG 688 | Thesis Research 1. | 3       |
| RELG 689 | Thesis Research 2. | 3       |
| RELG 698 | Thesis Research 3. | 9       |
| RELG 699 | Thesis Research 4. | 12      |

### Required Courses

6 credits from:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| RELG 645 | Methods in Religious Studies.  | 3       |
| WMST 601 | Feminist Theories and Methods. | 3       |

### Complementary Courses

12 credits selected from the 500- or 600-level courses accepted by the School of Religious Studies for the granting of a master's degree. Must include within the 12 credits:

Either

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

or 3 credits of another 500- or 600-level course in Gender and Women's Studies.

## Religious Studies (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Religious Studies (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The Master of Arts (M.A.) in Religious Studies; Non- Thesis is a course-based program that emphasizes engaging and innovative learning opportunities. It focuses on skills in resourceful thinking, academic writing, and communication.

### Research Project (9 credits)

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| Course   | Title                  | Credits |
|----------|------------------------|---------|
| RELG 660 | M.A. Research Paper 1. | 3       |
| RELG 661 | M.A. Research Paper 2. | 3       |
| RELG 662 | M.A. Research Paper 3. | 3       |

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| RELG 555 | Honours Seminar.              | 3       |
| RELG 645 | Methods in Religious Studies. | 3       |

## Complementary Courses (30 credits)

30 credits of courses selected from the 500- or 600-level courses accepted by the School 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.

## Religious Studies (Non-Thesis) (S.T.M.) (45 credits)

**Offered by:** Religious Studies (Faculty of Arts)  
**Degree:** Master of Sacred Theology  
**Program credit weight:** 45

## Program Description

The Master of Sacred Theology (S.T.M.); Non-Thesis is a course-based program that emphasizes intensive and scholarly learning opportunities. The program focuses on skills in literature review, information synthesis, and resourceful thinking. The program is approved by the Association of Theological Schools in the U.S. and Canada.

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, 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, which is affiliated with the School of Religious Studies.

## Required Courses (15 credits)

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| RELG 645 | Methods in Religious Studies. | 3       |
| RELG 646 | Research Project 1.           | 6       |
| RELG 647 | Research Project 2.           | 6       |

## Complementary Courses (30 credits)

18 credits at the 500 level or higher. Course selection approval is required by the Chair of the Religious Studies Graduate Committee.

12 credits from Area Studies listed below.

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| RELG 644 | Biblical Theology.      | 3       |
| RELG 648 | Church History.         | 3       |
| RELG 652 | Christian Theology.     | 3       |
| RELG 653 | Philosophy of Religion. | 3       |
| RELG 656 | Theological Ethics.     | 3       |
| RELG 663 | Comparative Religion.   | 3       |

Students who take the S.T.M.; Non-Thesis 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.

Related courses, at the 500 level or higher, are also available in other departments and must be chosen in consultation with the S.T.M.; Non-Thesis adviser.

## Religious Studies (Ph.D.)

**Offered by:** Religious Studies (Faculty of Arts)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Religious Studies focuses on research engagement with a broad spectrum of critical research involving different interdisciplinary approaches, research and teaching in the various different religious traditions.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| RELG 701 | Major Comprehensive Examination. | 0       |
| RELG 702 | Minor Comprehensive Examination. | 0       |
| RELG 703 | Oral Comprehensive Examination.  | 0       |

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.

## Religious Studies: Gender and Women's Studies (Ph.D.)

**Offered by:** Religious Studies (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Religious Studies; Gender and Women's Studies focuses on feminist, women's, and gender studies in relation to religious traditions.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Presentation to Doktorklub of student's thesis research.

## Required Courses

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| RELG 701 | Major Comprehensive Examination. | 0       |
| RELG 702 | Minor Comprehensive Examination. | 0       |
| RELG 703 | Oral Comprehensive Examination.  | 0       |
| WMST 601 | Feminist Theories and Methods.   | 3       |
| WMST 602 | Feminist Research Symposium.     | 3       |

## 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:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| WMST 601 | Feminist Theories and Methods. | 3       |
| WMST 602 | Feminist Research Symposium.   | 3       |

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:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| WMST 601 | Feminist Theories and Methods. | 3       |
| WMST 602 | Feminist Research Symposium.   | 3       |

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.

## Social Studies of Medicine

### About Social Studies of Medicine

The Department (SSOM) offers graduate studies in two areas:

- Medical Anthropology thesis program, given jointly with the Department of Anthropology;
- Medical Sociology thesis and non-thesis programs, 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 (p. 121) or Sociology (p. 214) sections.

The Department (SSOM) is interdisciplinary, with faculty in the fields of medical anthropology and medical sociology. In its graduate programs, it attempts to provide two things: training that is solidly grounded in the discipline of the chosen program, i.e., in anthropology 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.



## Ph.D. Programs

For information on the doctoral programs, please refer to the appropriate Department—Anthropology or Sociology.

## Social Studies of Medicine Admission Requirements and Application Procedures

### Admission Requirements

#### M.A. in Medical Anthropology

The program is open to students with backgrounds in the social sciences, medical professions, or medical sciences.

#### 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 in 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, or Sociology.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://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 website.

#### M.A. in Medical Sociology

Admission is granted by representatives from Sociology and SSOM. For details concerning applications, teaching, assistantships, fellowships, etc., see the Department of Sociology website.

### Ph.D. Programs

Please refer to the appropriate department—Anthropology or Sociology.

### Application Dates and Deadlines

The application deadlines to the Social Studies of Medicine Option may vary depending on the department you are applying to. For more information, please contact the Graduate Program Coordinator in the department you are interested in.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Location

Department of Social Studies of Medicine  
3647 Peel St.  
Montréal, QC H3A 1X1

Telephone: 514-398-6033  
Email: [dept.ssom@mcgill.ca](mailto:dept.ssom@mcgill.ca)

Website: [mcgill.ca/ssom](http://mcgill.ca/ssom)

## Social Work

### About Social Work

The School of Social Work offers dynamic M.S.W., M.Sc.A., 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);
- domestic violence; and
- international social work.

Our approaches to practice and research span all levels of intervention, from individuals to families, groups, and communities. Located within the School of Social Work are specialized centres devoted to research and training in interpersonal 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 (IASSW), the Canadian Association for Social Work Education (*l'Association Canadienne pour la formation en travail social*; CASWE-ACFTS), and the *Regroupement des unités de formation universitaire en travail social du Québec* (RUFUTS).

The School of Social Work is a professional school with the primary objective of preparing students for careers and leadership in social work and social welfare.

### Qualifying Year Entry into the M.S.W. Program

Applicants demonstrating academic excellence and a minimum of one year of social work-related experience (voluntary or professional) are considered for admission to the one-year, full-time Qualifying Year of study in preparation for entry to the M.S.W. (Non-Thesis) program. The objective of this preparatory year is to provide students with an essential foundation in social work knowledge before they embark on graduate-level studies in social work.

### M.S.W. Program

The overarching objective of the master's program is to provide advanced professional training through 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.

There are three types of M.S.W. degrees: M.S.W. (Thesis), M.S.W. (Non-Thesis), and M.S.W. with B.C.L./J.D. The M.S.W. (Thesis) and M.S.W. (Non-Thesis) programs each carry a weight of 45 credits, and, when taken on a full-time basis, involve three terms of study. Part-time study can be arranged for both options.

There are two points of entry into the M.S.W.: one for those who **hold a B.S.W. degree** and one for those who have completed the one-year **Qualifying Year** of study offered by the School of Social Work.

**Note:** With respect to M.S.W. (Non-Thesis) program and the Qualifying Year of study for entry into the M.S.W. (Non-Thesis) program, 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 candidates who wish to maximize their field placement opportunities during their program. Students are expected to be functional in French (comprehension, spoken, and written) for the field placement component of the Qualifying Year and the M.S.W. (Non-Thesis) program. Students without proficiency in French will have limited local options and will likely need to complete their field placement in an out-of-province setting in the spring/summer. In consultation with the Field Education Coordinator, such students may have the option of completing their field requirements at an approved social service agency outside of Quebec.

## Ph.D. Program in Social Work

The School of Social Work offers a dynamic Ph.D. program in social work/social policy to promote scholarship on social issues in Canada and Quebec. Courses are offered in English at McGill. Parallel streams are offered in French at *Université de Montréal* and *Université du Québec à Montréal*. Students can take courses at all three universities.

The program aims to:

- prepare graduates for careers in university teaching and research, policy development, implementation and evaluation, practice and program evaluation, and leadership and management of human services;
- offer students the opportunity to acquire research methodology skills and to apply these to a range of areas relevant to social work; and
- stimulate original research on important social problems and issues.

## Program Overview

Admission to the **Master of Science, Applied (M.Sc.A.) Couple and Family Therapy (Non-Thesis)** program will be interdisciplinary, with candidates entering from related human science, social science, or helping profession backgrounds such as Social Work, Clinical Psychology, Educational Psychology, Sociology, Creative Art Therapies, Sexology, Criminology, Nursing, and other related disciplines. The Master's in Couple and Family Therapy allows students with an M.S.W. degree from McGill to receive 15 Advanced-Standing credits and be eligible for advanced-level entry (minimum of 45 credits) taken over three terms. Applicants who have successfully completed a bachelor's or master's degree in a related human science, social science, or helping profession, with a minimum overall CGPA of 3.0/4.0, and who meet the experience and prerequisite requirements are eligible to apply.

The **Master of Social Work (M.S.W.) (Thesis)** is designed for students who have a keen interest in developing an advanced intellectual understanding and a specialized set of research skills in one of two areas of practice: (1) Practice with Individuals and Families or (2) International, Community, and Policy Practice. Program requirements consist of 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 will hold a B.S.W. degree with a minimum of one year of prior social work-related experience (voluntary and/or professional).

Subsequent career paths are varied and may lead to exciting opportunities in health, social services, and community organizing, where social workers undertake clinical, leadership, or policy roles.

The **Master of Social Work (M.S.W.) (Non-Thesis): Gender and Women's Studies** is offered intermittently, based on funding, to a specific cohort of students by invitation only.

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/Juris Doctor (B.C.L./J.D.)** 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 internal limitations have constrained each profession.

Students should take 3.5 to 4 years to complete the M.S.W./B.C.L./J.D. program. It is possible, however, to complete the program in three years by taking work-for-credit courses over the summer and carrying heavier course loads throughout the program. The joint program leads to the conferral of the B.C.L./J.D. law degrees and the master's degree in social work. Prospective students possess a B.S.W. degree with prior practice experience or have completed the Qualifying Year of study for entry into the M.S.W. (Non-Thesis) program.

McGill, *Université de Montréal*, and *Université du Québec à Montréal* jointly offer the **Doctor of Philosophy (Ph.D.) Social Work: McGill/UdeM/UQAM**. Students work closely with their supervisors, pursuing individualized programs of study that include coursework, research, and professional development. Faculty have expertise in a variety of areas, including aging, social exclusion, child welfare, international social welfare, Indigenous peoples and communities, violence against women and children, health and disability, poverty and social development, migration, and community organizing. Students typically 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 two to three years to complete.

McGill offers competitive 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.

# Social Work Admission Requirements and Application Procedures

## Admission Requirements

For graduate applicants whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required before admission.

### Qualifying Year of Study for Admission to the M.S.W. (Non-Thesis) Program

Applicants who have completed a DCS/DEC from CEGEP plus a minimum 90-credit (three-year) university degree, or a high school diploma plus a minimum 120-credit (four-year) university degree before entry into the Qualifying Year, with a minimum high B average (GPA 3.2/4.0), and who have completed university-level coursework in Statistics and Human Development Across the Lifespan by August 15 for a September start date, are admissible to the Qualifying Year of study for admission to the M.S.W. (Non-Thesis) program. Applicants are also expected to have one year of paid or volunteer professional social work experience before admission.

### M.S.W. (Thesis) and (Non-Thesis) Programs

Applicants who have completed a B.S.W., with a minimum high B average (GPA 3.2/4.0), and who have completed university-level coursework in Statistics and in Human Development Across the Lifespan by August 15 for a September start date, are admissible to the Master of Social Work program. Applicants are also expected to have one year of paid or volunteer professional social work experience before admission.

Students who have completed the one-year, full-time Qualifying Year of study at the School of Social Work are eligible for direct admission to the M.S.W. (Non-Thesis) program, provided they have secured a minimum B+ average in Qualifying Year courses and have successfully fulfilled all fieldwork requirements.

### M.Sc.A. Program

Admission to the program will be interdisciplinary, with candidates entering from related human science, social science, or helping profession backgrounds such as Social Work, Clinical Psychology, Educational Psychology, Sociology, Creative Art Therapies, Sexology, Criminology, Nursing, and other related disciplines. The Master's in Couple and Family Therapy allows students with an M.S.W. degree from McGill to receive 15 Advanced Standing credits and be eligible for advanced-level entry (minimum of 45 credits) taken over three terms. Applicants who have successfully completed a bachelor's or master's degree in a related human science, social science, or helping profession, with a minimum overall CGPA of 3.0/4.0, and who meet the experience and prerequisite requirements, are eligible to apply.

### Joint Program: Master of Social Work (M.S.W.) with Integrated Bachelor of Civil Law (B.C.L.) / Juris Doctor (J.D.)

Applicants must apply separately for admission to each Faculty. Applicants must meet or surpass the requirements for admission to both the M.S.W. program and to Law. They must submit a brief

statement explaining their interest in this joint program, along with all other required admission materials.

### Ph.D. Program

Applicants must apply directly to the School of Social Work. Applicants 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 applicants must also have completed, at the university level, coursework in statistics and in research methods within the last five years.

Criteria considered in weighing applications include:

- quality and relevance of the student's research proposal and one-page narrative;
- quality of reference letters;
- previous experience as demonstrated in the CV.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations and Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

Applications will only be considered upon receipt of all required documents.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- **Qualifying Year of study applicants** (see [mcgill.ca/socialwork/prospective/qyprogram](http://mcgill.ca/socialwork/prospective/qyprogram) for forms and guidelines):
  - Curriculum Vitae (using form provided)
  - Prerequisite Form (using form provided)
  - Statement of Interest for Social Work
  - Three references (two academic and one professional)
- **M.S.W. (Thesis), M.S.W. (Non-Thesis), and M.S.W. with B.C.L. and J.D. applicants** (see [mcgill.ca/socialwork/prospective/msw](http://mcgill.ca/socialwork/prospective/msw) for forms and guidelines):
  - Curriculum Vitae (using form provided)
  - Prerequisite Form (using form provided)
  - Statement of Interest or Research Statement for Social Work
  - Three references (two academic and one professional)
- **M.Sc.A. applicants** (see [mcgill.ca/socialwork/prospective/msca](http://mcgill.ca/socialwork/prospective/msca) for forms and guidelines):
  - Curriculum Vitae (using form provided)
  - Pre-requisite Form (using form provided)
  - Letter of intent
  - Three references (one academic and two professional)
  - Admission interview (for selected candidates)
- **Ph.D. applicants** (see [mcgill.ca/socialwork/prospective/phd](http://mcgill.ca/socialwork/prospective/phd) for forms and guidelines):
  - Ph.D. Prerequisite Form
  - Personal statement (maximum length one page, single-spaced)

- Ph.D. Curriculum Vitae Form
- Ph.D. Research Proposal (maximum length five pages, single-spaced, including references. Do not append a detailed CV.)
- Written work (upload one sample)

## Application Dates and Deadlines

Enrolment Services sets application opening dates in consultation with Graduate and Postdoctoral Studies (GPS), while the School of Social Work sets application deadlines and may revise them at any time. Applicants must verify all deadlines and documentation requirements well in advance as specified for each program on the School of Social Work website.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Couple and Family Therapy (Non-Thesis) (M.Sc.A.) (60 credits) (p. 209)
- Law & Social Work (Non-Thesis) (Joint B.C.L./J.D & M.S.W.) (132 credits) (p. 211)
- Social Work (Non-Thesis) (M.S.W.) (45 credits) (p. 211)
- Social Work (Non-Thesis): Gender and Women's Studies (M.S.W.) (45 credits) (p. 211)
- Social Work (Thesis) (M.S.W.) (45 credits) (p. 210)
- Social Work (Thesis): Gender and Women's Studies (M.S.W.) (45 credits) (p. 210)
- Social Work: McGill/UdeM/UQAM (Ph.D.) (p. 213)

## Qualifying Year of Study for Entry into the M.S.W. Non-Thesis Program

Applicants admitted to the Qualifying Year are immersed, over two terms of full-time study only, in coursework and fieldwork to provide the foundational knowledge for an exciting career in social work through the continuation of the M.S.W. Non-Thesis program. This full-time Qualifying Year of study comprises 15 credits per term. Students who complete the one-year full-time Qualifying Year of study at the School of Social Work are eligible for direct entry into the M.S.W. program (Non-Thesis only) provided they have successfully completed the Qualifying Year courses and fulfilled all fieldwork requirements. Applications to the Qualifying Year are accepted for Fall admission only, and for full-time study only, as this is an integrated program of study for the entire year that cannot be taken out of sequence.

For more information, please visit the School of Social Work website: [mcgill.ca/socialwork](http://mcgill.ca/socialwork).

## Location

School of Social Work  
550 Sherbrooke St. W., Suite #100, East Tower  
Montréal, QC H3A 1B9

Telephone: 514-398-7070  
Email: [graduate.socialwork@mcgill.ca](mailto:graduate.socialwork@mcgill.ca)  
Website: [mcgill.ca/socialwork](http://mcgill.ca/socialwork)

## Couple and Family Therapy (Non-Thesis) (M.Sc.A.) (60 credits)

**Offered by:** Social Work (Faculty of Arts)

**Degree:** Master of Science Applied

**Program credit weight:** 60

## Program Description

This master's-level clinical program (non-thesis) emphasizes clinical understanding and training in couple and family therapy applicable to multidisciplinary clinical professionals in which family systems and related theories can inform clinical practice. The general objectives of the program are to train clinical professionals in couple and family psychotherapy by integrating contemporary theory, research competence and varied approaches to therapy in the understanding and treatment of families today. It will produce graduates with competencies in the assessment and treatment of families across the life cycle with skills that can be applied to specialized psychotherapy practice in health and community settings. Program graduates will fulfil the requirements for both the Couple and Family Therapy permit (OTSTCFQ) and the Psychotherapy permit (OPQ).

## Required Courses (57 credits)

Expand allContract all

| Course   | Title                                                       | Credits |
|----------|-------------------------------------------------------------|---------|
| CAFT 600 | Couple and Family Therapy Pre-Practicum.                    | 3       |
| CAFT 601 | Anti-Oppressive Practice in Couple and Family Therapy.      | 3       |
| CAFT 602 | Advanced Assessment in Couple and Family Therapy.           | 3       |
| CAFT 603 | Research Methods for Couple and Family Therapists.          | 3       |
| CAFT 604 | Sex, Sexuality, and Contemporary Issues .                   | 3       |
| CAFT 605 | Advanced Family Treatment Across the Lifespan.              | 3       |
| CAFT 606 | Internship 1 in Couple and Family Therapy.                  | 3       |
| CAFT 607 | Legal, Ethical and Professional Issues in C & FT.           | 3       |
| CAFT 608 | Human Development Across Lifespan: Couple & Family Therapy. | 3       |
| CAFT 609 | Advanced Couple Therapy.                                    | 3       |
| CAFT 610 | Biological Foundations of Behaviour for C&FTs.              | 3       |
| CAFT 611 | Internship 2 in Couple and Family Therapy.                  | 6       |
| CAFT 612 | Internship 3 in Couple and Family Therapy.                  | 6       |
| SWRK 610 | Family Treatment.                                           | 3       |
| SWRK 622 | Understanding and Assessing Families.                       | 3       |
| SWRK 623 | Couple Therapy.                                             | 3       |
| SWRK 630 | Adult Mental Health.                                        | 3       |

## Complementary Courses (3 credits)

3 credits from the following:



Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| CAFT 613 | Couple and Family Therapy Internal Practicum. | 3       |
| EDPC 503 | Intersectional Relationships and Sexualities. | 3       |
| SWRK 621 | Seminar on Trauma and Resilience.             | 3       |
| SWRK 628 | Intimate Partner Violence                     | 3       |
| SWRK 635 | Advanced Clinical Seminar: Use of Self.       | 3       |
| SWRK 655 | Seminar on Aging.                             | 3       |
| SWRK 657 | Child and Adolescent Mental Health .          | 3       |
| SWRK 668 | Living with Illness, Loss and Bereavement.    | 3       |
| SWRK 670 | Seminar on Caregiving.                        | 3       |

## Social Work (Thesis) (M.S.W.) (45 credits)

**Offered by:** Social Work (Faculty of Arts)**Degree:** Master of Social Work**Program credit weight:** 45

### Program Description

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)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| SWRK 698 | Thesis Research 1. | 12      |
| SWRK 699 | Thesis Research 2. | 15      |

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| SWRK 605 | Anti-Racist Social Work Practice. | 3       |
| SWRK 653 | Research for Social Justice.      | 3       |

### Complementary Courses (12 credits)

12 credits of SWRK courses at the 500 or 600 level; up to 6 credits in total may be taken outside the School of Social Work.

## Social Work (Thesis): Gender and Women's Studies (M.S.W.) (45 credits)

**Offered by:** Social Work (Faculty of Arts)**Degree:** Master of Social Work**Program credit weight:** 45

### Program Description

The School of Social Work's M.S.W. Thesis – Gender and Women's Studies option is designed for students who have strong research interests and are particularly attracted to feminist theories and research methodologies. This program supports the development of advanced intellectual understanding and specialized research skills centered on gender, sexuality, feminism, and women in relation to "Children and Families," "Social Care and Health Studies," and "Community and International Development."

The thesis must be related to Gender and Women's Studies. The M.S.W. Thesis program includes graduate-level coursework and a research thesis. Students work closely with a Faculty supervisor. There is no field placement in the M.S.W. Thesis – Gender and Women's Studies program.

### Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| SWRK 698 | Thesis Research 1. | 12      |
| SWRK 699 | Thesis Research 2. | 15      |

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| SWRK 605 | Anti-Racist Social Work Practice. | 3       |
| SWRK 653 | Research for Social Justice.      | 3       |
| WMST 601 | Feminist Theories and Methods.    | 3       |

**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 Order after graduation.

### Complementary Courses (9 credits)

3 credits of 500- or 600- level courses in another department or discipline approved as a complementary course to the Option in Gender and Women's Studies by an MSW adviser in the School of Social Work.

6 credits of 500- or 600-level courses selected from the School of Social Work.

3 credits from the following:

Expand allContract all



| Course   | Title                        |
|----------|------------------------------|
| WMST 602 | Feminist Research Symposium. |

OR 3 credits of 500- or 600-level WMST courses;

## Social Work (Non-Thesis) (M.S.W.) (45 credits)

**Offered by:** Social Work (Faculty of Arts)

**Degree:** Master of Social Work

**Program credit weight:** 45

### Program Description

The Master of Social Work (MSW); Non-Thesis (45 credit) program focuses on advanced level knowledge and skills regarding a broad range of approaches that inform practice, policy, and research. The program covers two areas of practice: clinical practice with individuals, families, and groups, and, international, community and policy practice. Emphasis on critical and innovative approaches to practice competence and to policy analysis for working in a wide variety of practice settings. This program is open to those with an undergraduate degree in social work only.

### Required Courses (24 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| SWRK 527 | Advanced Social Work Practice in Quebec. | 3       |
| SWRK 605 | Anti-Racist Social Work Practice.        | 3       |
| SWRK 653 | Research for Social Justice.             | 3       |
| SWRK 664 | Intensive Advanced Field Placement.      | 12      |
| SWRK 665 | Advanced Field Seminar.                  | 3       |

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 order 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.

### Complementary Courses (21 credits)

21 credits of courses at the 500 or 600 level courses chosen in consultation with school adviser; up to 6 credits in total may be taken outside the School.

## Social Work (Non-Thesis): Gender and Women's Studies (M.S.W.) (45 credits)

**Offered by:** Social Work (Faculty of Arts)

**Degree:** Master of Social Work

**Program credit weight:** 45

**Credits**

3

## Program Description

The Graduate Option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Social Work and who wish to take 6 credits of approved coursework to focus on gender, sexuality, feminist, and women's studies and issues in feminist research and methods.

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| SWRK 527 | Advanced Social Work Practice in Quebec. | 3       |
| SWRK 605 | Anti-Racist Social Work Practice.        | 3       |
| SWRK 653 | Research for Social Justice.             | 3       |
| SWRK 664 | Intensive Advanced Field Placement.      | 12      |
| SWRK 665 | Advanced Field Seminar.                  | 3       |
| WMST 601 | Feminist Theories and Methods.           | 3       |

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 order 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.

### Complementary Courses (18 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

OR, 3 credits of WMST at the 500 or 600 level;

OR, 3 credits of 500- or 600-level courses in another department or discipline approved as a complementary course to the Option in Gender and Women's Studies by an MSW adviser in the School of Social Work.

AND 15 credits of 500- or 600-level courses selected from the School of Social Work.

## Law & Social Work (Non-Thesis) (Joint B.C.L./J.D & M.S.W.) (132 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** BCLJD

**Program credit weight:** 132

## Program Description

A joint Master of Social Work (M.S.W.) with integrated Bachelor of Civil Law (B.C.L.) and Juris Doctor (J.D.) 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 J.D. degrees for a total of 132 credits.

## Required Courses - Social Work (30 credits)

Expand allContract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| SWRK 605 | Anti-Racist Social Work Practice.            | 3       |
| SWRK 650 | Field Work Practicum 1.                      | 3       |
| SWRK 651 | Field Work Practicum 2.                      | 3       |
| SWRK 653 | Research for Social Justice.                 | 3       |
| SWRK 660 | Field Work Practicum 3.                      | 6       |
| SWRK 691 | Social Work / Law Independent Study Project. | 12      |

## Complementary Courses - Social Work (15 credits)

15 credits of SWRK courses at the 500 or 600 level. Up to 6 graduate-level credits may be taken outside the School of Social Work with the approval of the Academic Adviser.

## Required Courses - Law (47 credits)

### First Year

The following 33 credits of courses may be taken only in the first year:

Expand allContract all

| Course     | Title                                | Credits |
|------------|--------------------------------------|---------|
| LAWG 100D1 | Contractual Obligations.             | 3       |
| LAWG 100D2 | Contractual Obligations.             | 3       |
| LAWG 101D1 | Extra-Contractual Obligations/Torts. | 3       |
| LAWG 101D2 | Extra-Contractual Obligations/Torts. | 3       |
| LAWG 102D1 | Criminal Justice.                    | 3       |
| LAWG 102D2 | Criminal Justice.                    | 3       |
| LAWG 103   | Indigenous Legal Traditions.         | 3       |
| LAWG 110D1 | Integration Workshop.                | 1.5     |
| LAWG 110D2 | Integration Workshop.                | 1.5     |
| PUB2 101D1 | Constitutional Law.                  | 3       |
| PUB2 101D2 | Constitutional Law.                  | 3       |
| PUB3 116   | Foundations.                         | 3       |

### Second Year

The following 13 credits of courses may be taken only in the second year:

Expand allContract all

| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| LAWG 210   | Legal Ethics and Professionalism.          | 3       |
| LAWG 220D1 | Property.                                  | 3       |
| LAWG 220D2 | Property.                                  | 3       |
| PROC 124   | Judicial Institutions and Civil Procedure. | 4       |

### Any Year

The following 1 credit course may be taken in any year after completing the first year:

Expand allContract all

| Course   | Title     | Credits |
|----------|-----------|---------|
| PRAC 200 | Advocacy. | 1       |

## Complementary Courses (12 credits)

### Civil Law Immersion Courses

3 credits from the following list of civil law courses:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| BUS2 561 | Insurance.                                     | 3       |
| LAWG 506 | Advanced Civil Law Property.                   | 3       |
| PROC 200 | Advanced Civil Law Obligations.                | 3       |
| PRV1 549 | Contrats nommés/Nominate Contracts.            | 3       |
| PRV2 270 | Law of Persons.                                | 3       |
| PRV4 548 | Administration Property of Another and Trusts. | 3       |

### Common Law Immersion Courses

3 credits from the following list of common law courses:

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| PRV3 200 | Advanced Common Law Obligations. | 3       |
| PRV3 534 | Remedies.                        | 3       |
| PRV4 500 | Restitution.                     | 3       |
| PRV4 549 | Equity and Trusts.               | 3       |
| PRV5 582 | Advanced Torts.                  | 3       |

## Social Diversity, Human Rights and Indigenous Law Courses

3 credits from the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| CMPL 500 | Indigenous Peoples and the State.  | 3       |
| CMPL 504 | Feminist Legal Theory.             | 3       |
| CMPL 511 | Social Diversity and Law.          | 3       |
| CMPL 516 | International Development Law.     | 3       |
| CMPL 565 | International Humanitarian Law.    | 3       |
| CMPL 571 | International Law of Human Rights. | 3       |
| CMPL 573 | Civil Liberties.                   | 3       |

|            |                                         |   |
|------------|-----------------------------------------|---|
| CMPL 575   | Discrimination and the Law.             | 3 |
| IDFC 500   | Indigenous Field Studies.               | 3 |
| LAWG 503   | Inter-American Human Rights.            | 3 |
| LAWG 505   | Critical Engagements with Human Rights. | 3 |
| LAWG 507   | Critical Race Theory Advanced Seminar.  | 3 |
| LAWG 508D1 | Indigenous Constitutionalism.           | 3 |
| LAWG 508D2 | Indigenous Constitutionalism.           | 3 |
| LAWG 509   | Indigenous Law Revitalization.          | 3 |
| LAWG 562   | Regulating Artificial Intelligence.     | 3 |
| LAWG 580   | Women and Constitutions.                | 3 |
| LAWG 582   | Disability Law and Policy.              | 3 |
| LEEL 369   | Labour Law.                             | 3 |
| LEEL 582   | Law and Poverty.                        | 3 |
| PUB2 105   | Public International Law.               | 3 |
| PUB2 500   | Law and Psychiatry.                     | 3 |
| PUB2 502   | International Criminal Law.             | 3 |
| PUB2 507   | Prison Law and Policy                   | 3 |
| PUB2 551   | Immigration and Refugee Law.            | 3 |

## Principles of Canadian Administrative Law

3 credits from the following courses:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| BUS1 532 | Bankruptcy and Insolvency.                | 3       |
| BUS2 504 | Securities Regulation.                    | 3       |
| BUS2 506 | Corporate Governance                      | 3       |
| CMPL 518 | Public Policy, Politics and Law           | 3       |
| CMPL 539 | International Taxation.                   | 3       |
| CMPL 543 | Law and Practice of International Trade.  | 3       |
| CMPL 574 | Government Control of Business.           | 3       |
| CMPL 575 | Discrimination and the Law.               | 3       |
| CMPL 577 | Communications Law.                       | 3       |
| CMPL 580 | Environment and the Law.                  | 3       |
| LAWG 523 | Tax Practice Seminar.                     | 3       |
| LAWG 561 | Privacy Law.                              | 3       |
| LAWG 581 | Health Care Delivery and the Law.         | 3       |
| LAWG 583 | Public Health Law and Policy.             | 3       |
| LEEL 369 | Labour Law.                               | 3       |
| LEEL 570 | Employment Law.                           | 3       |
| LEEL 582 | Law and Poverty.                          | 3       |
| PRV4 545 | Land Use Planning.                        | 3       |
| PRV5 483 | Consumer Law.                             | 3       |
| PUB2 400 | The Administrative Process.               | 3       |
| PUB2 401 | Judicial Review of Administrative Action. | 3       |
| PUB2 500 | Law and Psychiatry.                       | 3       |
| PUB2 507 | Prison Law and Policy                     | 3       |

|          |                              |   |
|----------|------------------------------|---|
| PUB2 515 | Tax Policy.                  | 3 |
| PUB2 551 | Immigration and Refugee Law. | 3 |

## Elective Courses (28 credits)

Students must take 28 other elective courses offered within the Faculty or approved as credit equivalencies in order to complete the 132-credit degree requirement.

## Minimum Writing Requirement

All students are required to submit at least one research paper. This requirement may be satisfied by:

1. writing an essay in a course in which the essay constitutes no less than 75% of the final grade;
2. writing a term essay under independent supervision, for credit, within the Faculty of Law;
3. writing an article, note, or comment of equivalent substance that is published or accepted for publication in the McGill Law Journal and approved by the Faculty Adviser to that publication.

Papers written jointly do not satisfy this requirement.

## Social Work: McGill/UdeM/UQAM (Ph.D.)

**Offered by:** Social Work (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

(Offered jointly by McGill and Université de Montréal.)

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| SWRK 701 | Comprehensive Examination.                     | 0       |
| SWRK 720 | Thought and Theory Development in Social Work. | 3       |
| SWRK 721 | Advanced Integrative Seminar.                  | 3       |

## Complementary Courses

One of the following courses:

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| SWRK 722 | Advanced Seminar: Social Work Intervention. | 3       |
| SWRK 723 | Advanced Seminar on Social Policy.          | 3       |

One of the following courses:

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| SWRK 724 | Advanced Research Methods and Analysis: Quantitative Data. | 3       |
| SWRK 725 | Advanced Qualitative Research Methods and Data Analysis.   | 3       |

One course in Social Work or a related discipline.

## Sociology

### About Sociology

The Department offers training leading to the following degrees:

- Master of Arts in Medical Sociology (Thesis and Non-Thesis), offered jointly with the Social Studies of Medicine Department
- Master of Arts in Sociology (Thesis and Non-Thesis)
- Master of Arts in Sociology – Development Studies Option (Thesis and Non-Thesis)
- Master of Arts in Sociology – Gender and Women’s Studies Option (Thesis and Non-Thesis)
- Master of Arts in Sociology – Population Dynamics Option (Thesis and Non-Thesis)
- Doctor of Philosophy in Sociology
- Doctor of Philosophy in Sociology – Gender and Women’s Studies Option
- Doctor of Philosophy in Sociology – Population Dynamics Option

The Department of Sociology has very high standards and an excellent record of placing students in both academic and non-academic careers in institutions ranging from the University of Chicago and Berkeley to StatsCan and CEGEPs. 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 be at the forefront of current issues. M.A. programs are offered, as well as a few at the Ph.D. level (see below). The Department has full access to the resources of StatsCan, with additional training for students.

We have particular strength in the following fields:

- comparative political sociology and development
- diversity and inequalities
- population and health

### Availability of Funding

The Department offers a limited number of teaching assistantships. A full teaching assistantship consists 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.

## Sociology Admission Requirements and Application Procedures

### Admission Requirements

Applicants—whether for an M.A. or Ph.D. program—should ideally have a bachelor's degree with a Standing equivalent to a cumulative grade point average (CGPA) of 3.3/4.0. The degree may be in sociology or another relevant social science. In the latter case, applicants may be required to take additional sociology courses to fill gaps in their background.

The strength of an applicant's academic record is of key importance in considering their application for admission. The Graduate Admissions Committee assesses applications to both the M.A. and Ph.D. programs on the basis of the following **required materials**:

1. transcripts for all coursework pursued at the post-secondary level (including those involving transfer credits);
2. two reference letters;
3. proof of English language proficiency (e.g., TOEFL) only in certain cases;
4. a personal statement (maximum of 1,000 words, double-spaced);
5. a writing sample (maximum 30 pages); and
6. a CV (please note that the GRE is no longer required for admission to the Sociology program).

The Department's acceptance rate (approximately 10% of the applicant pool) means that admission to our program is quite competitive.

All applicants are required to submit a personal statement (maximum 1,000 words, double-spaced). That statement should: (1) outline the applicant's areas of academic interest (e.g., proposed research topic); (2) identify faculty members of interest (e.g., possible supervisors) and with whom the applicant's research interests align; and (3) discuss future academic and/or career plans. All applicants are strongly encouraged to contact faculty members with whom they may wish to work—in advance of applying—to ascertain their availability (e.g., ensure they will not be on leave, are available to take on more students).

Applicants whose mother tongue is not English and who have not completed a degree at a recognized institution where English is the primary language of instruction are required to provide proof of English language proficiency. For further information, see McGill's requirements on English language proficiency. International students may also contact McGill's International Student Services at 514-398-4349 for more information.

Applicants who are missing most of the prerequisite courses can be admitted to a Qualifying semester or year, during which they can take the prerequisite courses. During the Qualifying period, students must take a minimum of 12 credits (four courses) per semester. No more than one Qualifying year is permitted. Each course must be passed with a grade of B+ or higher to be considered for admission to the M.A. program. Admission to the Qualifying semester or year does not mean automatic admission to the graduate program afterwards. Applicants admitted for a Qualifying semester or year must reapply for the M.A. program; chances for admission depend on performance during the Qualifying period and the quality of the overall application compared



with other applicants at that time. No funding is available for students taking a Qualifying semester or year.

Applicants are expected to have taken courses in statistics, research methods, and sociological theory at the undergraduate level.

The program of study aims to provide students with an in-depth comprehension of a major field in sociology, current sociological research methodologies, and some of the fundamental theoretical 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.).

## Application Procedures

The department only offers admission in the fall. The online application process for admission to our M.A. and Ph.D. programs opens annually in September (for the following fall) through McGill's online graduate admissions system. The deadline to apply for the Fall term is January 7th.

Note: It is the applicant's responsibility to ensure that ALL supporting documents are received **by the January 7th** deadline. Incomplete applications will not be considered.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Sociology Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** The Department Admissions Committee announces its selections by mid-March and the end of April.

## Available Programs

- Medical Sociology (Non-Thesis) (M.A.) (45 credits) (p. 220)
- Medical Sociology (Thesis) (M.A.) (45 credits) (p. 218)
- Sociology (Non-Thesis) (M.A.) (45 credits) (p. 219)
- Sociology (Non-Thesis): Development Studies (M.A.) (45 credits) (p. 219)
- Sociology (Non-Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 220)
- Sociology (Non-Thesis): Population Dynamics (M.A.) (45 credits) (p. 221)
- Sociology (Ph.D.) (p. 222)
- Sociology (Thesis) (M.A.) (45 credits) (p. 216)
- Sociology (Thesis): Development Studies (M.A.) (45 credits) (p. 217)
- Sociology (Thesis): Gender and Women's Studies (M.A.) (45 credits) (p. 217)

- Sociology (Thesis): Population Dynamics (M.A.) (45 credits) (p. 218)
- Sociology: Gender and Women's Studies (Ph.D.) (p. 223)
- Sociology: Population Dynamics (Ph.D.) (p. 224)

## Program Overview

### M.A. Program Options

#### Master of Arts (M.A.) Medical Sociology (Thesis)

The Department contributes to knowledge at the forefront of current issues—in particular, those dealing with health systems and with policies concerning HIV/AIDS. This program is a cooperative effort of 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, while others move into personnel work in the health services. Researching and writing a thesis takes considerable time, and this program typically takes two years to complete.

#### Master of Arts (M.A.) Sociology (Thesis)

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.

#### Master of Arts (M.A.) Sociology (Thesis): Development Studies

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 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.

#### Master of Arts (M.A.) Sociology (Thesis): Gender and Women's Studies

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.

#### Master of Arts (M.A.) Medical Sociology (Non-Thesis)

The Department contributes to knowledge at the forefront of current issues—in particular, those dealing with health systems and with policies concerning HIV/AIDS. This program is a cooperative effort of 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 and others to personnel work in the health services. The program is designed to be completed within 12 months.

#### Master of Arts (M.A.) Sociology (Non-Thesis)

This program is both 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 12 months.

### Master of Arts (M.A.) Sociology (Non-Thesis): Development Studies

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 12 months.

### Master of Arts (M.A.) Sociology (Non-Thesis): Gender and Women's Studies

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 12 months.

## Ph.D. Program Options

### Doctor of Philosophy (Ph.D.) Sociology

There are two ways to enter the Ph.D. program. Some students are fast-tracked (i.e., from a B.A. degree without having to complete an M.A. in Sociology), as Ph.D. 1 students; they take 12 substantive courses, in addition to various thesis requirements, and are trained in qualitative and quantitative research methods and in research design. Other students, typically those with an M.A. in Sociology, are considered as 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.

## Location

Department of Sociology  
Stephen Leacock Building, Room 712  
855 Sherbrooke St. W.  
Montréal, QC H3A 2T7

Graduate Program and Admission Information:  
Telephone: 514-396-2134  
Fax: 514-398-7476  
Email: [graduate.sociology@mcgill.ca](mailto:graduate.sociology@mcgill.ca)  
Website: [mcgill.ca/sociology](http://mcgill.ca/sociology)

# Sociology (Thesis) (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Sociology provides advanced methodological training in sociology. The program culminates in the preparation of a thesis, which is written under the direction of a supervisory committee, and which is expected to report on original research of publishable quality.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| SOCI 692 | M.A. Thesis 3. | 3       |
| SOCI 693 | M.A. Thesis 4. | 3       |
| SOCI 694 | M.A. Thesis 5. | 18      |

## Required Courses (12 credits)

All students must have taken the required 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.

Expand allContract all

| Course     | Title                                          | Credits |
|------------|------------------------------------------------|---------|
| SOCI 504   | Quantitative Methods 1.                        | 3       |
| SOCI 580   | Social Research Design and Practice.           | 3       |
| SOCI 600   | Qualitative Research Methods 1.                | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology. | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology. | 0       |
| SOCI 652   | Current Sociological Theory.                   | 3       |

## Complementary Course (9 credits)

9 credits, chosen from the following:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| SOCI 502 | Sociology of Childbearing                             | 3       |
| SOCI 506 | Quantitative Methods 3.                               | 3       |
| SOCI 507 | Social Change.                                        | 3       |
| SOCI 514 | Criminology.                                          | 3       |
| SOCI 515 | Medicine and Society.                                 | 3       |
| SOCI 519 | Gender and Globalization.                             | 3       |
| SOCI 520 | Migration and Immigrant Groups.                       | 3       |
| SOCI 525 | Health Care Systems in Comparative Perspective.       | 3       |
| SOCI 526 | Indigenous Women's Health and Healthcare .            | 3       |
| SOCI 530 | Sex and Gender.                                       | 3       |
| SOCI 535 | Sociology of the Family.                              | 3       |
| SOCI 538 | Selected Topics in Sociology of Biomedical Knowledge. | 3       |
| SOCI 540 | Comparative Ethnicity and Race.                       | 3       |

|            |                                             |   |
|------------|---------------------------------------------|---|
| SOCI 545   | Sociology of Population.                    | 3 |
| SOCI 550   | Developing Societies.                       | 3 |
| SOCI 571   | Deviance and Social Control.                | 3 |
| SOCI 588   | Biosociology/Biodemography.                 | 3 |
| SOCI 590   | Social Conflict and Violence.               | 3 |
| SOCI 595   | Migration Governance and Stratification.    | 3 |
| SOCI 601   | Qualitative Research Methods 2.             | 3 |
| SOCI 621   | Fixed and Random Effects.                   | 3 |
| SOCI 622   | Event History Analysis.                     | 3 |
| SOCI 623   | Latent Variable Models.                     | 3 |
| SOCI 624   | Social Networks.                            | 3 |
| SOCI 631D1 | Informing Social Policy with Canadian Data. | 3 |
| SOCI 631D2 | Informing Social Policy with Canadian Data. | 3 |
| SOCI 720   | Reading in Social Theory.                   | 3 |
| SOCI 730   | Reading and Research.                       | 3 |

## Sociology (Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. thesis must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

### Thesis Courses (30 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| SOCI 692 | M.A. Thesis 3. | 3       |
| SOCI 693 | M.A. Thesis 4. | 3       |
| SOCI 694 | M.A. Thesis 5. | 18      |

### Required Courses (15 credits)

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| INTD 657 | Development Studies Seminar.                      | 3       |
| SOCI 504 | Quantitative Methods 1. <sup>1</sup>              | 3       |
| SOCI 580 | Social Research Design and Practice. <sup>1</sup> | 3       |
| SOCI 600 | Qualitative Research Methods 1. <sup>1</sup>      | 3       |
| SOCI 652 | Current Sociological Theory. <sup>1</sup>         | 3       |

<sup>1</sup> 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)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| SOCI 502 | Sociology of Childbearing       | 3       |
| SOCI 506 | Quantitative Methods 3.         | 3       |
| SOCI 507 | Social Change.                  | 3       |
| SOCI 519 | Gender and Globalization.       | 3       |
| SOCI 520 | Migration and Immigrant Groups. | 3       |
| SOCI 545 | Sociology of Population.        | 3       |
| SOCI 550 | Developing Societies.           | 3       |
| SOCI 590 | Social Conflict and Violence.   | 3       |
| SOCI 601 | Qualitative Research Methods 2. | 3       |
| SOCI 620 | Quantitative Methods 2.         | 3       |
| SOCI 621 | Fixed and Random Effects.       | 3       |
| SOCI 622 | Event History Analysis.         | 3       |
| SOCI 623 | Latent Variable Models.         | 3       |
| SOCI 624 | Social Networks.                | 3       |
| SOCI 720 | Reading in Social Theory.       | 3       |
| SOCI 730 | Reading and Research.           | 3       |

## Sociology (Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Thesis Courses (27 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.

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| SOCI 691 | M.A. Thesis 2. | 6       |
| SOCI 693 | M.A. Thesis 4. | 3       |
| SOCI 694 | M.A. Thesis 5. | 18      |

### Required Courses (15 credits)

Expand allContract all

| Course     | Title                                             | Credits |
|------------|---------------------------------------------------|---------|
| SOCI 504   | Quantitative Methods 1. <sup>1</sup>              | 3       |
| SOCI 580   | Social Research Design and Practice. <sup>1</sup> | 3       |
| SOCI 600   | Qualitative Research Methods 1. <sup>1</sup>      | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology.    | 0       |

|          |                                           |   |
|----------|-------------------------------------------|---|
| SOCI 652 | Current Sociological Theory. <sup>1</sup> | 3 |
| WMST 601 | Feminist Theories and Methods.            | 3 |

<sup>1</sup> 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:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

or one 3 credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside the Department).

## Sociology (Thesis): Population Dynamics (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. in Sociology ; Population Dynamics program graduate training in sociology with an emphasis on demographic methods and critical population issues. Students will attend at least five of the seminars given in the Social Statistics and Population seminar series. The thesis must be on a topic related to population dynamics and approved by the Population Dynamics Option (PDO) coordinating committee.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| SOCI 692 | M.A. Thesis 3. | 3       |
| SOCI 693 | M.A. Thesis 4. | 3       |
| SOCI 694 | M.A. Thesis 5. | 18      |

## Required Courses (18 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| SOCI 504 | Quantitative Methods 1.              | 3       |
| SOCI 545 | Sociology of Population.             | 3       |
| SOCI 580 | Social Research Design and Practice. | 3       |
| SOCI 600 | Qualitative Research Methods 1.      | 3       |
| SOCI 626 | Demographic Methods.                 | 3       |
| SOCI 652 | Current Sociological Theory.         | 3       |

## Complementary Courses (3 credits)

3 credits at the 500 level or higher related to population dynamics; other courses, at the 500 level or higher, may be approved by the program coordinating committee.

## Medical Sociology (Thesis) (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

**\*\*This program is not currently offered\*\***

The M.A. in Medical Sociology is offered jointly with the Department of Social Studies of Medicine. The program provides advanced methodological training in sociology and medical sociology. The thesis must be on a topic approved by the supervisor and by participating faculty members in the Department of Social Studies of Medicine.

## Thesis Courses (27 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| SOCI 690 | M.A. Thesis 1. | 3       |
| SOCI 691 | M.A. Thesis 2. | 6       |
| SOCI 693 | M.A. Thesis 4. | 3       |
| SOCI 695 | M.A. Thesis 6. | 15      |

## Required Courses (12 credits)

Expand allContract all

| Course     | Title                                             | Credits |
|------------|---------------------------------------------------|---------|
| SOCI 504   | Quantitative Methods 1. <sup>1</sup>              | 3       |
| SOCI 580   | Social Research Design and Practice. <sup>1</sup> | 3       |
| SOCI 600   | Qualitative Research Methods 1. <sup>1</sup>      | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 652   | Current Sociological Theory. <sup>1</sup>         | 3       |

<sup>1</sup> 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:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| SOCI 515 | Medicine and Society.                                 | 3       |
| SOCI 538 | Selected Topics in Sociology of Biomedical Knowledge. | 3       |

3 credits (at the 500, 600, or 700 level) in History of Medicine.

## Sociology (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

**\*\*This program is not currently offered\*\***

The M.A. in Sociology; Non-Thesis provides advanced methodological training in sociology and exposure to research in different areas of sociology.

### Research Project (18 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| SOCI 696 | Research Paper 1. | 3       |
| SOCI 697 | Research Paper 2. | 3       |
| SOCI 699 | Research Paper 4. | 12      |

### Required Courses (18 credits)

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.

Expand allContract all

| Course     | Title                                          | Credits |
|------------|------------------------------------------------|---------|
| SOCI 504   | Quantitative Methods 1.                        | 3       |
| SOCI 580   | Social Research Design and Practice.           | 3       |
| SOCI 600   | Qualitative Research Methods 1.                | 3       |
| SOCI 603   | Bibliographic Methods 1.                       | 3       |
| SOCI 604   | Bibliographic Methods 2.                       | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology. | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology. | 0       |
| SOCI 652   | Current Sociological Theory.                   | 3       |

### Complementary Courses (9 credits)

9 credits (at the 500, 600 or 700 level), which may be in a cognate field, subject to the approval of the graduate committee.

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| SOCI 506 | Quantitative Methods 3. | 3       |
| SOCI 507 | Social Change.          | 3       |

|            |                                                       |   |
|------------|-------------------------------------------------------|---|
| SOCI 514   | Criminology.                                          | 3 |
| SOCI 515   | Medicine and Society.                                 | 3 |
| SOCI 519   | Gender and Globalization.                             | 3 |
| SOCI 520   | Migration and Immigrant Groups.                       | 3 |
| SOCI 525   | Health Care Systems in Comparative Perspective.       | 3 |
| SOCI 526   | Indigenous Women's Health and Healthcare .            | 3 |
| SOCI 530   | Sex and Gender.                                       | 3 |
| SOCI 535   | Sociology of the Family.                              | 3 |
| SOCI 538   | Selected Topics in Sociology of Biomedical Knowledge. | 3 |
| SOCI 545   | Sociology of Population.                              | 3 |
| SOCI 550   | Developing Societies.                                 | 3 |
| SOCI 571   | Deviance and Social Control.                          | 3 |
| SOCI 588   | Biosociology/Biodemography.                           | 3 |
| SOCI 590   | Social Conflict and Violence.                         | 3 |
| SOCI 595   | Migration Governance and Stratification.              | 3 |
| SOCI 601   | Qualitative Research Methods 2.                       | 3 |
| SOCI 621   | Fixed and Random Effects.                             | 3 |
| SOCI 622   | Event History Analysis.                               | 3 |
| SOCI 623   | Latent Variable Models.                               | 3 |
| SOCI 624   | Social Networks.                                      | 3 |
| SOCI 631D1 | Informing Social Policy with Canadian Data.           | 3 |
| SOCI 631D2 | Informing Social Policy with Canadian Data.           | 3 |
| SOCI 720   | Reading in Social Theory.                             | 3 |
| SOCI 730   | Reading and Research.                                 | 3 |

## Sociology (Non-Thesis): Development Studies (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

**\*\*This program is not currently offered\*\***

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)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| SOCI 696 | Research Paper 1. | 3       |
| SOCI 697 | Research Paper 2. | 3       |
| SOCI 699 | Research Paper 4. | 12      |

## Required Courses (21 credits)

Expand allContract all

| Course     | Title                                             | Credits |
|------------|---------------------------------------------------|---------|
| INTD 657   | Development Studies Seminar.                      | 3       |
| SOCI 504   | Quantitative Methods 1. <sup>1</sup>              | 3       |
| SOCI 580   | Social Research Design and Practice. <sup>1</sup> | 3       |
| SOCI 600   | Qualitative Research Methods 1. <sup>1</sup>      | 3       |
| SOCI 603   | Bibliographic Methods 1.                          | 3       |
| SOCI 604   | Bibliographic Methods 2.                          | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 652   | Current Sociological Theory. <sup>1</sup>         | 3       |

1 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.

Assignments in the selected courses should focus topically on development issues.

## Sociology (Non-Thesis): Gender and Women's Studies (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)**Degree:** Master of Arts**Program credit weight:** 45

## Program Description

\*\*This program is not currently offered\*\*

The M.A. in Sociology; Non-Thesis - Gender and Women Studies provides advanced methodological training in sociology and exposure to research in different areas of sociology with a focus on gender and women's studies. The research paper must be on a topic relating to issues of gender and women's studies and approved by the supervisor and by participating faculty members in the Gender and Women's Studies program.

## Research Project (18 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| SOCI 696 | Research Paper 1. | 3       |
| SOCI 697 | Research Paper 2. | 3       |
| SOCI 699 | Research Paper 4. | 12      |

## Required Courses (21 credits)

Expand allContract all

| Course     | Title                                             | Credits |
|------------|---------------------------------------------------|---------|
| SOCI 504   | Quantitative Methods 1. <sup>1</sup>              | 3       |
| SOCI 580   | Social Research Design and Practice. <sup>1</sup> | 3       |
| SOCI 600   | Qualitative Research Methods 1.                   | 3       |
| SOCI 603   | Bibliographic Methods 1.                          | 3       |
| SOCI 604   | Bibliographic Methods 2.                          | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 652   | Current Sociological Theory. <sup>1</sup>         | 3       |
| WMST 601   | Feminist Theories and Methods.                    | 3       |

1 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 at the 500, 600, or 700 level including:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

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).

## Medical Sociology (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)**Degree:** Master of Arts**Program credit weight:** 45

## Program Description

\*\*This program is not currently offered\*\*

The M.A. in Medical Sociology; Non-Thesis is offered jointly with the Department of Social Studies of Medicine. The program provides advanced methodological training in sociology and medical sociology.

## Research Project (18 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| SOCI 696 | Research Paper 1. | 3       |
| SOCI 697 | Research Paper 2. | 3       |
| SOCI 699 | Research Paper 4. | 12      |

## Required Courses (18 credits)

Expand allContract all



| Course     | Title                                             | Credits |
|------------|---------------------------------------------------|---------|
| SOCI 504   | Quantitative Methods 1. <sup>1</sup>              | 3       |
| SOCI 580   | Social Research Design and Practice. <sup>1</sup> | 3       |
| SOCI 600   | Qualitative Research Methods 1.                   | 3       |
| SOCI 603   | Bibliographic Methods 1.                          | 3       |
| SOCI 604   | Bibliographic Methods 2.                          | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology.    | 0       |
| SOCI 652   | Current Sociological Theory. <sup>1</sup>         | 3       |

1 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)

3 credits, ONE of the following courses:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| SOCI 515 | Medicine and Society.                                 | 3       |
| SOCI 538 | Selected Topics in Sociology of Biomedical Knowledge. | 3       |

3 credits, one graduate-level course in History of Medicine.

3 credits, one graduate-level course in Social Studies of Medicine.

## Sociology (Non-Thesis): Population Dynamics (M.A.) (45 credits)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

**\*\*This program is not currently offered\*\***

The Population Dynamics Option (PDO) is open to Masters (non-thesis) students in Sociology specializing in Population Dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and an overview substantive course on the key population issues facing societies today. In addition, students will take one complementary course in Sociology; Economics; or Epidemiology, Biostatistics, and Occupational Health, which focusses on a particular population issue such as population health, migration, aging, family dynamics, and labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Research projects must be on a topic relating to population dynamics, approved by the PDO coordinating committee.

## Research Project (18 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| SOCI 696 | Research Paper 1. | 3       |
| SOCI 697 | Research Paper 2. | 3       |
| SOCI 699 | Research Paper 4. | 12      |

## Required Courses (24 credits)

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 at the 500 level or higher in its place.

Expand allContract all

| Course     | Title                                          | Credits |
|------------|------------------------------------------------|---------|
| SOCI 504   | Quantitative Methods 1.                        | 3       |
| SOCI 545   | Sociology of Population.                       | 3       |
| SOCI 580   | Social Research Design and Practice.           | 3       |
| SOCI 600   | Qualitative Research Methods 1.                | 3       |
| SOCI 603   | Bibliographic Methods 1.                       | 3       |
| SOCI 604   | Bibliographic Methods 2.                       | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology. | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology. | 0       |
| SOCI 626   | Demographic Methods.                           | 3       |
| SOCI 652   | Current Sociological Theory.                   | 3       |

## Complementary Course (3 credits)

- 3 credits at the 500 level or higher related to population dynamics selected from the following:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| ECON 634 | Economic Development 3.                            | 3       |
| ECON 641 | Labour Economics.                                  | 3       |
| ECON 734 | Economic Development 4.                            | 3       |
| ECON 741 | Advanced Labour Economics.                         | 3       |
| ECON 742 | Empirical Microeconomics.                          | 3       |
| ECON 744 | Health Economics.                                  | 3       |
| EPIB 648 | Methods in Social Epidemiology.                    | 3       |
| EPIB 681 | Global Health: Epidemiological Research.           | 3       |
| PPHS 501 | Population Health and Epidemiology.                | 3       |
| PPHS 527 | Economics for Health Services Research and Policy. | 3       |
| PPHS 528 | Economic Evaluation of Health Programs.            | 3       |
| PPHS 529 | Global Environmental Health and Burden of Disease. | 3       |
| PPHS 615 | Introduction to Infectious Disease Epidemiology.   | 3       |
| SOCI 502 | Sociology of Childbearing                          | 3       |

|          |                                                 |   |
|----------|-------------------------------------------------|---|
| SOCI 520 | Migration and Immigrant Groups.                 | 3 |
| SOCI 525 | Health Care Systems in Comparative Perspective. | 3 |
| SOCI 526 | Indigenous Women's Health and Healthcare .      | 3 |
| SOCI 535 | Sociology of the Family.                        | 3 |
| SOCI 588 | Biosociology/Biodemography.                     | 3 |

## Sociology (Ph.D.)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in Sociology is a professional degree program designed to prepare students for careers in academia as well as research and policy positions in both the public and private sectors. The program focuses on quantitative and qualitative methodology and sub-fields within the discipline. The dissertation should represent a unique contribution to the discipline and to the sub-field. The Ph.D. in Sociology is a professional degree program designed to prepare students for careers in academia as well as research and policy positions in both the public and private sectors. The program focuses on quantitative and qualitative methodology and sub-fields within the discipline. The dissertation should represent a unique contribution to the discipline and to the sub-field.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

A minimum of three years of study is required.

Expand allContract all

| Course     | Title                                          | Credits |
|------------|------------------------------------------------|---------|
| SOCI 625D1 | Professional Development Seminar in Sociology. | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology. | 0       |
| SOCI 702   | Ph.D. Proposal Approval.                       | 0       |
| SOCI 703   | Bibliographic Methods 3.                       | 0       |
| SOCI 704   | Bibliographic Methods 4.                       | 0       |
| SOCI 705   | PhD Comprehensive Examination.                 | 0       |

Ph.D. candidates must take a comprehensive examination in two sub-fields within sociology by August of their Ph.D. 3 year. These sub-fields will be chosen from the Department's areas of specialization.

Ph.D. candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor.

The thesis should be completed within five years after the initial residency period of two to three years.

Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at [www.mcgill.ca/sociology/faculty](http://www.mcgill.ca/sociology/faculty) and at <http://www.mcgill.ca/gps/thesis>.

### Complementary Courses (15-27 credits)

12 credits from substantive courses at the 500 level or higher offered by the Department subject to the approval of the Graduate Committee.

Expand allContract all

| Course     | Title                                                 | Credits |
|------------|-------------------------------------------------------|---------|
| SOCI 501   | Capitalism, Socialism, and Democracy.                 | 3       |
| SOCI 502   | Sociology of Childbearing                             | 3       |
| SOCI 506   | Quantitative Methods 3.                               | 3       |
| SOCI 507   | Social Change.                                        | 3       |
| SOCI 514   | Criminology.                                          | 3       |
| SOCI 515   | Medicine and Society.                                 | 3       |
| SOCI 519   | Gender and Globalization.                             | 3       |
| SOCI 520   | Migration and Immigrant Groups.                       | 3       |
| SOCI 525   | Health Care Systems in Comparative Perspective.       | 3       |
| SOCI 526   | Indigenous Women's Health and Healthcare .            | 3       |
| SOCI 530   | Sex and Gender.                                       | 3       |
| SOCI 535   | Sociology of the Family.                              | 3       |
| SOCI 538   | Selected Topics in Sociology of Biomedical Knowledge. | 3       |
| SOCI 545   | Sociology of Population.                              | 3       |
| SOCI 550   | Developing Societies.                                 | 3       |
| SOCI 571   | Deviance and Social Control.                          | 3       |
| SOCI 588   | Biosociology/Biodemography.                           | 3       |
| SOCI 590   | Social Conflict and Violence.                         | 3       |
| SOCI 595   | Migration Governance and Stratification.              | 3       |
| SOCI 601   | Qualitative Research Methods 2.                       | 3       |
| SOCI 620   | Quantitative Methods 2.                               | 3       |
| SOCI 621   | Fixed and Random Effects.                             | 3       |
| SOCI 622   | Event History Analysis.                               | 3       |
| SOCI 623   | Latent Variable Models.                               | 3       |
| SOCI 624   | Social Networks.                                      | 3       |
| SOCI 626   | Demographic Methods.                                  | 3       |
| SOCI 631D1 | Informing Social Policy with Canadian Data.           | 3       |
| SOCI 631D2 | Informing Social Policy with Canadian Data.           | 3       |

|          |                           |   |
|----------|---------------------------|---|
| SOCI 720 | Reading in Social Theory. | 3 |
| SOCI 730 | Reading and Research.     | 3 |

3 credits from one of the following streams:

## Qualitative Stream

3 credits from the following:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| SOCI 601 | Qualitative Research Methods 2. | 3       |
| SOCI 602 | Comparative-Historical Methods. | 3       |

## Quantitative Stream

3 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| SOCI 620 | Quantitative Methods 2.   | 3       |
| SOCI 621 | Fixed and Random Effects. | 3       |
| SOCI 622 | Event History Analysis.   | 3       |
| SOCI 623 | Latent Variable Models.   | 3       |

0-12 credits from the following:

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| SOCI 504 | Quantitative Methods 1.              | 3       |
| SOCI 580 | Social Research Design and Practice. | 3       |
| SOCI 600 | Qualitative Research Methods 1.      | 3       |
| SOCI 652 | Current Sociological Theory.         | 3       |

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one must then be substituted in its place.

# Sociology: Gender and Women's Studies (Ph.D.)

**Offered by:** Sociology (Faculty of Arts)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D in Sociology; Gender and Women's Studies focuses on an interdisciplinary specialization in feminist, women's, and gender studies. The Ph.D. dissertation must be on a topic that significantly engages with issues of gender and/or women and/or feminism.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research

presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

A minimum of three years of study is required.

Ph.D. candidates must take a comprehensive examination in two subfields within sociology by August of their Ph.D. 3 year. These fields will be chosen from the Department's areas of specialization.

Ph.D. candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor. The thesis should be completed within five years after the initial residency period of two to three years. Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at: <http://www.mcgill.ca/sociology/faculty> and at <http://www.mcgill.ca/gps/thesis>.

Expand allContract all

| Course     | Title                                          | Credits |
|------------|------------------------------------------------|---------|
| SOCI 625D1 | Professional Development Seminar in Sociology. | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology. | 0       |
| SOCI 702   | Ph.D. Proposal Approval.                       | 0       |
| SOCI 703   | Bibliographic Methods 3.                       | 0       |
| SOCI 704   | Bibliographic Methods 4.                       | 0       |
| SOCI 705   | PhD Comprehensive Examination.                 | 0       |
| WMST 601   | Feminist Theories and Methods.                 | 3       |
| WMST 602   | Feminist Research Symposium.                   | 3       |

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 (9-21 credits)

3 credits from one of the following streams:

### Qualitative Stream

3 credits from the following:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| SOCI 601 | Qualitative Research Methods 2. | 3       |
| SOCI 602 | Comparative-Historical Methods. | 3       |

### Quantitative Stream

3 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| SOCI 620 | Quantitative Methods 2.   | 3       |
| SOCI 621 | Fixed and Random Effects. | 3       |

|          |                         |   |
|----------|-------------------------|---|
| SOCI 622 | Event History Analysis. | 3 |
| SOCI 623 | Latent Variable Models. | 3 |

6 credits from the following 500-, 600-, or 700-level courses, 3 of the 6 credits must be on Gender & Women's Issues, chosen from among the following:

| Expand all | Contract all                                          |         |
|------------|-------------------------------------------------------|---------|
| Course     | Title                                                 | Credits |
| SOCI 502   | Sociology of Childbearing                             | 3       |
| SOCI 506   | Quantitative Methods 3.                               | 3       |
| SOCI 507   | Social Change.                                        | 3       |
| SOCI 514   | Criminology.                                          | 3       |
| SOCI 515   | Medicine and Society.                                 | 3       |
| SOCI 519   | Gender and Globalization.                             | 3       |
| SOCI 520   | Migration and Immigrant Groups.                       | 3       |
| SOCI 525   | Health Care Systems in Comparative Perspective.       | 3       |
| SOCI 526   | Indigenous Women's Health and Healthcare .            | 3       |
| SOCI 530   | Sex and Gender.                                       | 3       |
| SOCI 535   | Sociology of the Family.                              | 3       |
| SOCI 538   | Selected Topics in Sociology of Biomedical Knowledge. | 3       |
| SOCI 545   | Sociology of Population.                              | 3       |
| SOCI 550   | Developing Societies.                                 | 3       |
| SOCI 571   | Deviance and Social Control.                          | 3       |
| SOCI 588   | Biosociology/Biodemography.                           | 3       |
| SOCI 590   | Social Conflict and Violence.                         | 3       |
| SOCI 601   | Qualitative Research Methods 2.                       | 3       |
| SOCI 620   | Quantitative Methods 2.                               | 3       |
| SOCI 621   | Fixed and Random Effects.                             | 3       |
| SOCI 622   | Event History Analysis.                               | 3       |
| SOCI 623   | Latent Variable Models.                               | 3       |
| SOCI 624   | Social Networks.                                      | 3       |
| SOCI 631D1 | Informing Social Policy with Canadian Data.           | 3       |
| SOCI 631D2 | Informing Social Policy with Canadian Data.           | 3       |
| SOCI 720   | Reading in Social Theory.                             | 3       |
| SOCI 730   | Reading and Research.                                 | 3       |

0-12 credits from the following:

| Expand all | Contract all                         |         |
|------------|--------------------------------------|---------|
| Course     | Title                                | Credits |
| SOCI 504   | Quantitative Methods 1.              | 3       |
| SOCI 580   | Social Research Design and Practice. | 3       |
| SOCI 600   | Qualitative Research Methods 1.      | 3       |
| SOCI 652   | Current Sociological Theory.         | 3       |

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one, at the 500-level or higher, must then be substituted in its place.

# Sociology: Population Dynamics (Ph.D.)

**Offered by:** Sociology (Faculty of Arts)  
**Degree:** Doctor of Philosophy

## Program Description

The Population Dynamics Option (PDO) is open to PhD students in Sociology specializing in Population Dynamics. The purpose of this program is to provide graduate training in demographic methods (including life table analyses) and enhance students' knowledge of critical population issues. As such, students will be required to take a course on demographic methods and an overview substantive course on the key population issues facing societies today. In addition, students will take one complementary course in Sociology; Economics; or Epidemiology, Biostatistics, and Occupational Health, which focusses on a particular population issue such as population health, migration, aging, family dynamics, and labour markets and skills acquisition. Students will attend at least five of the seminars given in the Social Statistics and Population Dynamics Seminar series. Dissertation topics must be related to population dynamics and approved by the PDO coordinating committee.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

A minimum of three years of study is required.

| Expand all | Contract all                                   |         |
|------------|------------------------------------------------|---------|
| Course     | Title                                          | Credits |
| SOCI 545   | Sociology of Population.                       | 3       |
| SOCI 625D1 | Professional Development Seminar in Sociology. | 0       |
| SOCI 625D2 | Professional Development Seminar in Sociology. | 0       |
| SOCI 626   | Demographic Methods.                           | 3       |
| SOCI 702   | Ph.D. Proposal Approval.                       | 0       |
| SOCI 703   | Bibliographic Methods 3.                       | 0       |
| SOCI 704   | Bibliographic Methods 4.                       | 0       |
| SOCI 705   | PhD Comprehensive Examination.                 | 0       |

Ph.D. candidates must take a comprehensive examination in two sub-fields within sociology by August of their Ph.D. 3 year. These fields will

be chosen from the Department's areas of specialization. In this option, one of these fields must be in Population Dynamics.

Ph.D. candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor. The thesis should be completed within five years after the initial residency period of two to three years.

Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at [www.mcgill.ca/sociology/faculty](http://www.mcgill.ca/sociology/faculty) and at <http://www.mcgill.ca/gps/thesis>.

## Complementary Courses (9-21 credits)

3-6 credits must be taken within the Department from the list below:

Expand allContract all

| Course     | Title                                                 | Credits |
|------------|-------------------------------------------------------|---------|
| SOCI 502   | Sociology of Childbearing                             | 3       |
| SOCI 506   | Quantitative Methods 3.                               | 3       |
| SOCI 507   | Social Change.                                        | 3       |
| SOCI 514   | Criminology.                                          | 3       |
| SOCI 515   | Medicine and Society.                                 | 3       |
| SOCI 519   | Gender and Globalization.                             | 3       |
| SOCI 520   | Migration and Immigrant Groups.                       | 3       |
| SOCI 525   | Health Care Systems in Comparative Perspective.       | 3       |
| SOCI 526   | Indigenous Women's Health and Healthcare .            | 3       |
| SOCI 530   | Sex and Gender.                                       | 3       |
| SOCI 535   | Sociology of the Family.                              | 3       |
| SOCI 538   | Selected Topics in Sociology of Biomedical Knowledge. | 3       |
| SOCI 550   | Developing Societies.                                 | 3       |
| SOCI 571   | Deviance and Social Control.                          | 3       |
| SOCI 588   | Biosociology/Biodemography.                           | 3       |
| SOCI 590   | Social Conflict and Violence.                         | 3       |
| SOCI 601   | Qualitative Research Methods 2.                       | 3       |
| SOCI 620   | Quantitative Methods 2.                               | 3       |
| SOCI 621   | Fixed and Random Effects.                             | 3       |
| SOCI 622   | Event History Analysis.                               | 3       |
| SOCI 623   | Latent Variable Models.                               | 3       |
| SOCI 624   | Social Networks.                                      | 3       |
| SOCI 631D1 | Informing Social Policy with Canadian Data.           | 3       |
| SOCI 631D2 | Informing Social Policy with Canadian Data.           | 3       |
| SOCI 720   | Reading in Social Theory.                             | 3       |
| SOCI 730   | Reading and Research.                                 | 3       |

0-3 credits from the following:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| ECON 634 | Economic Development 3.                            | 3       |
| ECON 641 | Labour Economics.                                  | 3       |
| ECON 734 | Economic Development 4.                            | 3       |
| ECON 741 | Advanced Labour Economics.                         | 3       |
| ECON 742 | Empirical Microeconomics.                          | 3       |
| ECON 744 | Health Economics.                                  | 3       |
| EPIB 648 | Methods in Social Epidemiology.                    | 3       |
| EPIB 681 | Global Health: Epidemiological Research.           | 3       |
| PPHS 501 | Population Health and Epidemiology.                | 3       |
| PPHS 525 | Health Care Systems in Comparative Perspective.    | 3       |
| PPHS 527 | Economics for Health Services Research and Policy. | 3       |
| PPHS 528 | Economic Evaluation of Health Programs.            | 3       |
| PPHS 529 | Global Environmental Health and Burden of Disease. | 3       |
| PPHS 615 | Introduction to Infectious Disease Epidemiology.   | 3       |
| SOCI 502 | Sociology of Childbearing                          | 3       |
| SOCI 520 | Migration and Immigrant Groups.                    | 3       |
| SOCI 525 | Health Care Systems in Comparative Perspective.    | 3       |
| SOCI 535 | Sociology of the Family.                           | 3       |
| SOCI 588 | Biosociology/Biodemography.                        | 3       |

3 credits from the following streams:

### Qualitative Stream

3 credits from the following:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| SOCI 601 | Qualitative Research Methods 2. | 3       |

### Quantitative Stream

3 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| SOCI 620 | Quantitative Methods 2.   | 3       |
| SOCI 621 | Fixed and Random Effects. | 3       |
| SOCI 622 | Event History Analysis.   | 3       |
| SOCI 623 | Latent Variable Models.   | 3       |

0-12 credits from the following:

Students who have not taken the courses listed below must make up the deficiencies in addition to the regular coursework:

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| SOCI 504 | Quantitative Methods 1.              | 3       |
| SOCI 580 | Social Research Design and Practice. | 3       |



|          |                                 |   |
|----------|---------------------------------|---|
| SOCI 600 | Qualitative Research Methods 1. | 3 |
| SOCI 652 | Current Sociological Theory.    | 3 |

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one must then be substituted in its place.

# Dental Medicine and Oral Health Sciences

## Faculty of Dental Medicine and Oral Health Sciences (Graduate)

The Faculty of Dental Medicine and Oral Health Sciences at McGill University has a long and proud tradition of excellence in both its teaching and multidisciplinary research programs. Highly regarded for the quality of its students and for its innovative research activities, the Faculty's national and international reputation stands tall amongst the best faculties of dentistry in the world. With a highly engaged and dynamic professoriate and support staff, and with a diverse and passionate undergraduate, graduate, and postdoctoral student community, the Faculty provides a stimulating, academic environment in the life sciences that nimbly adapts to advances in professional dentistry, craniofacial, oral health, and multidisciplinary research.

## Program Overview

The **Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)** focuses on research and/or clinical expertise to improve populational health, including diagnosis, prevention, monitoring, and control. The program includes a practicum in an organization or a clinic implicated in providing public health services. All non-thesis students are encouraged to seek volunteer and summer research opportunities with researchers in the faculty to further their research experience.

This program offers students a great opportunity to clarify their interests, connect with faculty members, and engage with their cutting-edge research programs to seek additional career and training options (such as entering a Ph.D. program). This non-thesis option is not a residency program and does not provide clinical qualifications.

The goal of the **Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits)** 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. For the thesis-based master's in dental sciences, we aim to train students to:

- perform a literature review;
- identify important issues in a specific field and understand the scientific approach to research questions;
- carry out a scientific study and appropriately manage its data;
- appreciate the ethics involved in animal and/or human research; and
- express themselves clearly when speaking and writing about science.

This program also includes the Clinician-Scientist Pathway (M.Sc.-D.M.D.). If admitted through this pathway, the candidate would start with their graduate studies and complete their two-year Master's of Dental Science (Thesis) degree before moving to the first year of the Doctor of Dental Medicine Program (D.M.D.) and complete the four years of their professional dentistry training.

The **Doctor of Philosophy (Ph.D.) Oral Health Sciences** requires a thesis that constitutes a distinct contribution of knowledge to the field of Oral Health Sciences.

## Admission Requirements and Application Procedures

### Admission Requirements

#### M.Sc. in Dental Sciences

Students who have completed a D.M.D./D.D.S. or a B.Sc. in one of the Health Science disciplines listed on our website with a CGPA of 3.2 on a 4.0 scale are eligible to apply for admission to a graduate program in the Faculty of Dental Medicine and Oral Health Sciences leading to the M.Sc. degree in Dental Sciences. Applicants with a CGPA of lower than 3.2 may still be considered for admission if their application is accompanied by a justification for the lower CGPA. TOEFL (or IELTS) test results are 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 Canadian institution (anglophone or francophone) or from a recognized foreign institution where English is the language of instruction.

The number of candidates accepted each year will depend on the elective courses and research facilities available that are applicable to the candidate's area of expertise.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See Application Procedures (p. 53) for detailed application procedures.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Faculty of Dental Medicine and Oral Health Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list of programs at [mcgill.ca/dentistry/programs](http://mcgill.ca/dentistry/programs).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Dental Sciences (Non-Thesis) (M.Sc.) (p. 228)
- Dental Sciences (Thesis) (M.Sc.) (p. 228)
- Oral Health Sciences (Ph.D.) (p. 229)
- Oral Medicine (Gr. Dip.) (p. 229)

## Location

Faculty of Dental Medicine and Oral Health Sciences  
2001 McGill College Avenue, Suite 500  
Montréal, QC H3A 1G1

Email: [graduate.dentistry@mcgill.ca](mailto:graduate.dentistry@mcgill.ca)  
Website: [mcgill.ca/dentistry](http://mcgill.ca/dentistry)

## Dental Sciences (Non-Thesis) (M.Sc.) (45 credits)

**Offered by:** Dental Med & Oral Health Sci (Faculty of Dental Medicine and Oral Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science (M.Sc.) Dental Sciences; Non-Thesis program focuses on theoretical and methodological foundations spanning multiple approaches to health research.

### Required Courses (24 credits)

Expand allContract all

| Course     | Title                                                | Credits |
|------------|------------------------------------------------------|---------|
| DENT 601   | Quantitative Data Analysis for Oral Health Research. | 3       |
| DENT 625   | Applied Qualitative Health Research.                 | 3       |
| DENT 663   | Principles of Health Research.                       | 1       |
| DENT 668   | Practicum Readings in Dentistry and Health Research. | 3       |
| DENT 670   | Dentistry Community Health Practicum.                | 6       |
| DENT 671D1 | Advanced Research Seminar.                           | 1       |
| DENT 671D2 | Advanced Research Seminar.                           | 1       |
| DENT 685   | Theory of Dental Public Health.                      | 3       |
| DENT 690   | Literature Reviews.                                  | 3       |

### Complementary Courses (21 credits)

21 credits from the following:

Expand allContract all

| Course     | Title                                             | Credits |
|------------|---------------------------------------------------|---------|
| ANAT 690D1 | Cell and Developmental Biology.                   | 3       |
| ANAT 690D2 | Cell and Developmental Biology.                   | 3       |
| BMDE 505   | Cell and Tissue Engineering.                      | 3       |
| DENT 504   | Biomaterials and Bioperformance.                  | 3       |
| DENT 505   | Epidemiology and Data Analysis in Primary Care 1. | 3       |
| DENT 509   | Epidemiology and Data Analysis in Primary Care 2. | 3       |
| DENT 625   | Applied Qualitative Health Research.              | 3       |
| DENT 654   | Mechanisms and Management of Pain.                | 3       |
| DENT 664   | Health Research Communications.                   | 1       |
| DENT 665   | Leadership and Management Skills in Research.     | 1       |
| DENT 669   | Extracellular Matrix Biology.                     | 3       |
| DENT 681   | Readings in Dentistry and Health Research 1.      | 1       |
| DENT 682   | Readings in Dentistry and Health Research 2.      | 2       |
| DENT 683   | Readings in Dentistry and Health Research 3.      | 3       |

|          |                                                       |   |
|----------|-------------------------------------------------------|---|
| DENT 686 | Illness Experience and Social Determinants of Health. | 2 |
| DENT 688 | Bone Mechanobiology .                                 | 3 |
| EDEM 692 | Qualitative Research Methods.                         | 3 |
| EPIB 635 | Statistical Design of Clinical Trials                 | 3 |
| EPIB 641 | Substantive Epidemiology 1.                           | 1 |
| EPIB 669 | Special Topics 2.                                     | 2 |
| EPIB 671 | Cancer Epidemiology and Prevention.                   | 3 |
| EPIB 677 | Special Topics 8.                                     | 3 |
| EPIB 679 | Special Topics 10.                                    | 3 |
| EXMD 609 | Cellular Methods in Medical Research.                 | 3 |
| EXMD 610 | Molecular Methods in Medical Research.                | 3 |
| PHGY 518 | Artificial Cells.                                     | 3 |
| PHGY 550 | Molecular Physiology of Bone.                         | 3 |

Other complementary 500- or 600-level courses at the University may be taken with the approval of the director of the program and GPS.

## Dental Sciences (Thesis) (M.Sc.) (45 credits)

**Offered by:** Dental Med & Oral Health Sci (Faculty of Dental Medicine and Oral Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science (M.Sc.) in Dental Sciences program focuses on diverse research areas, including biomaterials, mineralized tissues, nanobiotechnology, tissue engineering, pain, epidemiology, public health, Indigenous health, oral health research, dental education, and knowledge translation.

### Thesis Courses (24-33 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| DENT 650 | Thesis Research 1. | 3       |
| DENT 651 | Thesis Research 2. | 6       |
| DENT 652 | Thesis Research 3. | 9       |
| DENT 653 | Thesis Research 4. | 15      |

### Required Courses (6 credits)

Expand allContract all

| Course     | Title                                                | Credits |
|------------|------------------------------------------------------|---------|
| DENT 601   | Quantitative Data Analysis for Oral Health Research. | 3       |
| DENT 663   | Principles of Health Research.                       | 1       |
| DENT 671D1 | Advanced Research Seminar.                           | 1       |
| DENT 671D2 | Advanced Research Seminar.                           | 1       |

## Complementary Courses (6-15 credits)

6-15 credits chosen from the following courses:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| DENT 504 | Biomaterials and Bioperformance.                      | 3       |
| DENT 505 | Epidemiology and Data Analysis in Primary Care 1.     | 3       |
| DENT 509 | Epidemiology and Data Analysis in Primary Care 2.     | 3       |
| DENT 602 | Research Protocol Development                         | 3       |
| DENT 610 | Introduction to Craniofacial Research.                | 3       |
| DENT 654 | Mechanisms and Management of Pain.                    | 3       |
| DENT 664 | Health Research Communications.                       | 1       |
| DENT 665 | Leadership and Management Skills in Research.         | 1       |
| DENT 681 | Readings in Dentistry and Health Research 1.          | 1       |
| DENT 682 | Readings in Dentistry and Health Research 2.          | 2       |
| DENT 683 | Readings in Dentistry and Health Research 3.          | 3       |
| DENT 685 | Theory of Dental Public Health.                       | 3       |
| DENT 686 | Illness Experience and Social Determinants of Health. | 2       |
| DENT 688 | Bone Mechanobiology .                                 | 3       |
| DENT 690 | Literature Reviews.                                   | 3       |
| EPIB 621 | Data Analysis in Health Sciences.                     | 4       |
| EPIB 635 | Statistical Design of Clinical Trials                 | 3       |
| EXMD 610 | Molecular Methods in Medical Research.                | 3       |

Other complementary 500- or 600-level courses may be taken with the approval of the supervisor or the research director and GPS.

## Oral Health Sciences (Ph.D.)

**Offered by:** Dental Med & Oral Health Sci (Faculty of Dental Medicine and Oral Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Oral Health Sciences provides training for health science researchers in advanced research in oral health problems. It will build upon an approach to scholarly knowledge that embraces discipline specific training in tandem with an understanding on one's position in research and possibilities for collaboration.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms

for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 Credits)

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| DENT 663   | Principles of Health Research.                | 1       |
| DENT 664   | Health Research Communications.               | 1       |
| DENT 665   | Leadership and Management Skills in Research. | 1       |
| DENT 671D1 | Advanced Research Seminar.                    | 1       |
| DENT 671D2 | Advanced Research Seminar.                    | 1       |
| DENT 700   | Comprehensive Exam Skills.                    | 1       |
| DENT 701   | PhD Comprehensive Examination.                | 0       |
| DENT 786   | Foundations in Oral Health Science.           | 3       |

## Complementary Courses (6-12 credits)

6-12 credits from the following:<sup>1</sup>

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| DENT 504 | Biomaterials and Bioperformance.                 | 3       |
| DENT 602 | Research Protocol Development                    | 3       |
| DENT 610 | Introduction to Craniofacial Research.           | 3       |
| DENT 654 | Mechanisms and Management of Pain.               | 3       |
| DENT 669 | Extracellular Matrix Biology.                    | 3       |
| DENT 681 | Readings in Dentistry and Health Research 1.     | 1       |
| DENT 682 | Readings in Dentistry and Health Research 2.     | 2       |
| DENT 683 | Readings in Dentistry and Health Research 3.     | 3       |
| DENT 685 | Theory of Dental Public Health.                  | 3       |
| DENT 688 | Bone Mechanobiology .                            | 3       |
| DENT 706 | Advanced Seminar in Qualitative Health Research. | 3       |

<sup>1</sup> The number of Complementary credits each student must take is determined with their supervisor, depending on the student's background.

**Note:** Courses at the 500 level or higher in other departments can be chosen in consultation with their supervisors and the program director.

## Oral Medicine (Gr. Dip.) (30 credits)

**Offered by:** Dental Medicine and Oral Health Sciences (Faculty of Dental Medicine and Oral Health Sciences)

**Program credit weight:** 30

## Program Description

The Graduate Diploma in Oral Medicine provides specialty education of clinical practice supported by the appropriate foundations of knowledge and teaching. Training includes diagnosis and management

of oral mucosal diseases, temporal mandibular joint disorders (TMD) and orofacial pain and other neurosensory disorders, oral manifestations of systemic disease, non-surgical salivary gland disorders, and oral/dental management of complex, medically compromised patients. Successful completion of this three-year program leads to eligibility to sit the Royal College of Dentists (Canada) Fellowship and specialty exam.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| DENT 606 | Evidence-Based Oral Medicine.                   | 2       |
| DENT 608 | Pharmacology Applied to Oral Medicine.          | 3       |
| DENT 611 | Management of Medically Complex Patients.       | 3       |
| DENT 624 | Principles of Dental Pharmacology.              | 3       |
| DENT 642 | Oral/Maxillofacial Radiology 1                  | 3       |
| DENT 643 | Oral/Maxillofacial Radiology 2                  | 3       |
| DENT 656 | General Pathology .                             | 3       |
| DENT 666 | Interdisciplinary/Interprofessional Approaches. | 1       |
| DENT 676 | Orofacial Pain and Sleep Medicine               | 3       |
| DENT 677 | Oral Medicine/Maxillofacial Pathology 1         | 3       |
| DENT 678 | Oral Medicine/Maxillofacial Pathology 2         | 3       |



# Education

For over 150 years, McGill University has prepared students for exciting and rewarding careers in a range of education-related professions. The Faculty's mission is to advance both knowledge and professional practice through its leadership role in Education in Quebec, across Canada, and throughout the international community. In pursuit of our mission, we offer a variety of programs at both the undergraduate and graduate level.

## Departments

- Educational and Counselling Psychology (p. 231)
- Kinesiology and Physical Education (p. 277)

## Educational and Counselling Psychology

### About the Department of 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 learning, wellness, and human development in multiple settings and throughout the lifespan.

More specifically, they examine issues pertaining to cognitive processes and developmental neuroscience, assessment and intervention, and the design and evaluation of learning environments and instructional practices, with both typical and atypical populations in mind. While ECP's primary disciplinary bases are psychology and education, it contributes to and is enriched by extended interdisciplinary collaborations including medicine and other health professions, neurosciences, computer science, science, social work and policy, and law, among others.

In undertaking our professional programs, students benefit from having access to the McGill Psychoeducational and Counselling Clinic and the Departmental Assessment Materials Resource Centre. 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 you 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 you valuable exposure to, and connection with, different research laboratories, research leaders, and professional organizations. You 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, FRQ, and CIHR.

Our graduates secure careers in a varied and rewarding range of settings, including but 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.

Detailed graduate degree descriptions are available in the following sections:

- Graduate Degrees in Counselling Psychology
- Graduate Degrees in School/Applied Psychology
- Graduate Degrees in Educational Psychology

## Master of Arts (M.A.) Degrees

Students can obtain an M.A. degree in:

1. Counselling Psychology (Non-Thesis) Project
2. School/Applied Child Psychology (Non-Thesis) Project
3. Educational Psychology (Thesis) with concentrations in:
  - Health Professions Education
  - Human Development
  - Learning Sciences

## 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 concentrations in:

- General Educational Psychology
- General Educational Psychology (Project)
- Inclusive Education
- Inclusive Education (Project)
- Learning Sciences

## Doctor of Philosophy (Ph.D.) Degrees

Students can obtain a Ph.D. degree in:

1. Counselling Psychology
2. Educational Psychology with concentrations in:
  - Human Development
  - Learning Sciences
3. School/Applied Child Psychology

## Doctor of Psychology (Psy.D.) Degrees

Students can obtain a Psy.D. degree in:

1. Counselling Psychology
2. School /Applied Child Psychology

## Graduate Student Policies and Responsibilities

In addition to the University regulations, students enrolled in degree programs in ECP must adhere to Department specific Graduate Student Policies and Responsibilities:

- The Graduate Supervision Policy specifies who can act as supervisors for ECP graduate students.
- The Guidelines for Doctoral Dissertation Preparation and Supervisory Committee Responsibilities pertains to doctoral dissertation preparation and the roles and responsibilities of the supervisory committee.
- The Graduate Student Tracking Policy outlines the mandatory progress reporting that is required of all registered graduate students pursuing a thesis or Research Program (M.A. thesis, M.A. Non-Thesis Project, and Ph.D. programs).
- The Social Media Policy helps students to determine how they can best balance the benefits of social media engagement with the potential adverse risks and consequences.

## Advising

For information about these graduate programs please refer to the Programs tab.

Please contact us at [admissions.ecp@mcgill.ca](mailto:admissions.ecp@mcgill.ca) for any questions related to the admission process for any of the above programs.

## Professional Accreditation

The Ph.D. in School/Applied Child Psychology and the Ph.D. in Counselling Psychology are both accredited by the Canadian Psychological Association (CPA) and the *Ordre des psychologues du Québec (OPQ)*.

### Important addresses:

CPA  
141 Laurier Avenue West, Suite 702  
Ottawa ON K1P 5J3, Canada  
Telephone: 613-237-2144; 1-888-472-0657  
Email: [cpa@cpa.ca](mailto:cpa@cpa.ca)

OPQ  
1100 Beaumont, Suite 510  
Mount-Royal QC H3P 3H5, Canada  
Telephone: 514-738-1881; 1-800-363-2644  
Email: [info@ordrepsy.qc.ca](mailto:info@ordrepsy.qc.ca)

## Research

Research is an integral part of the Department of Educational and Counselling Psychology. A comprehensive list of research groups can be found on the Department's Research page.

## Educational and Counselling Psychology Admission Requirements and Application Procedures

Please refer to the Faculty of Education website for admission requirements and application procedures for the following programs:

- M.A. in Counselling Psychology (Non-Thesis)
- Ph.D. in Counselling Psychology
- Psy.D. in Counselling Psychology
- M.A. in School/Applied Child Psychology (Non-Thesis)
- Ph.D. in School/Applied Child Psychology
- Psy.D. in School/Applied Child Psychology
- Post-Ph.D. Graduate Diploma in School/Applied Child Psychology
- M.Ed. in Educational Psychology
- M.A. in Educational Psychology, Human Development
- M.A. in Educational Psychology, Learning Sciences
- M.A. in Educational Psychology, Health Professions Education
- Ph.D. in Educational Psychology, Human Development
- Ph.D. in Educational Psychology, Learning Sciences

## English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Educational & Counselling Psychology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website. The application deadlines for programs in the Department of Educational and Counselling Psychology can be found on the Faculty of Education website under each program page.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## M.A. in Counselling Psychology (Non-Thesis)

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in Counselling Psychology: Project can be found on the Faculty of Education website.

## Ph.D. in Counselling Psychology

Information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in Counselling Psychology can be found on the Faculty of Education website.

## M.A. in School/Applied Child Psychology

Information on application procedures, deadlines, supporting documents, and contact information for the M.A. in School/Applied Child Psychology can be found on the Faculty of Education website.

## Ph.D. in School/Applied Child Psychology

Information on application procedures, deadlines, supporting documents, and contact information for the Ph.D. in School/Applied Child Psychology can be found on the Faculty of Education website.

## M.Ed. in Educational Psychology (Non-Thesis)

This program offers five concentrations:

1. General Educational Psychology
2. General Educational Psychology: Project
3. Inclusive Education
4. Inclusive Education: Project
5. Learning Sciences

Information on application procedures, deadlines, supporting documents, and contact information for our M.Ed. programs can be found on the Faculty of Education website.

## M.A. in Educational Psychology (Thesis)

This program offers three concentrations:

1. Learning Sciences
2. Health Professions Education
3. Human Development

Information on application procedures, deadlines, supporting documents, and contact information for our M.A. programs can be found on the Faculty of Education website.

## Ph.D. in Educational Psychology Admission Requirements

The two concentrations offered are:

1. Human Development
2. Learning Sciences

Information on application procedures, deadlines, supporting documents, and contact information for our Ph.D. programs can be found on the Faculty of Education website.

## Available Programs

- Counselling Applied to Teaching (Gr. Cert.) (15 credits) (p. 247)
- Counselling Psychology (Non-Thesis) (M.A.): Professional/ Internship (60 credits) (p. 236)
- Counselling Psychology (Non-Thesis) (M.A.): Project (60 credits) (p. 236)
- Counselling Psychology (Ph.D.) (p. 237)
- Counselling Psychology (Psy.D.) (p. 240)
- Educational Psychology (Non-Thesis) (M.A.) (48 credits) (p. 241)
- Educational Psychology (Non-Thesis) (M.Ed.): General Educational Psychology (48 credits) (p. 241)
- Educational Psychology (Non-Thesis) (M.Ed.): General Educational Psychology: Project (48 credits) (p. 241)

- Educational Psychology (Non-Thesis) (M.Ed.): Inclusive Education (48 credits) (p. 242)
- Educational Psychology (Non-Thesis) (M.Ed.): Inclusive Education: Project (48 credits) (p. 243)
- Educational Psychology (Non-Thesis) (M.Ed.): Learning Sciences (48 credits) (p. 243)
- Educational Psychology (Ph.D.): Human Development (p. 246)
- Educational Psychology (Ph.D.): Learning Sciences (p. 247)
- Educational Psychology (Thesis) (M.A.): Health Professions Education (45 credits) (p. 244)
- Educational Psychology (Thesis) (M.A.): Human Development (45 credits) (p. 245)
- Educational Psychology (Thesis) (M.A.): Learning Sciences (45 credits) (p. 245)
- School/Applied Child Psychology (Non-Thesis) (M.A.) (60 credits) (p. 237)
- School/Applied Child Psychology (Ph.D.) (p. 238)
- School/Applied Child Psychology (Post-Ph.D.) (Gr. Dip.) (66 credits) (p. 239)
- School/Applied Child Psychology (Psy.D.) (p. 239)

## Program Overview Graduate Degrees in School/ Applied Psychology Master of Arts (M.A.) School/Applied Child Psychology (Non-Thesis) (60 credits) (p. 237)

The MA in School/Applied Child Psychology (SACP) is a research-based, non-thesis degree that requires completion of a research project per program guidelines. SACP at McGill prepares the next generation of school psychologists to provide state of the art educational and mental health services to children and adolescents from birth to 21 years old. Coursework, clinical experiences, field and community service, and research activities are designed to enhance and develop the professional skills and the knowledge base of our students. In McGill's scientist-practitioner training model, research supports and improves our clinical activities; and clinical activities support and inspire our research. McGill's School/Applied Child Psychology faculty and students are among the most productive research units in North America. Professional school psychologists educated at McGill become leaders in research and higher education, school-based practice, hospital-based positions, independent practice, mental health centres, and policy-making roles.

Typically, students entering the M.A. program choose to apply to the Ph.D. in School/Applied Child Psychology program which builds upon the foundation gained in the M.A. degree. Upon completion of the M.A. and Ph.D. programs, students are eligible for licensure as Psychologists with the *Ordre des psychologues du Québec* (OPQ).

For further information, consult the Department's website.

## Doctor of Philosophy (Ph.D.) School/Applied Child Psychology (p. 238)

The Ph.D. in School/Applied Child Psychology is the second degree in a sequential pair of programs, the first of which is the M.A. (non-thesis) Research Project in School/Applied Child Psychology or former M.A.

in Educational Psychology, School/Applied Child Psychology (thesis) concentration (closed for admission as of Fall 2014).

Most students in the doctoral program completed their M.A. in the Department of Educational and Counselling Psychology, 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 complete a research project at the M.A. level and a thesis at the Ph.D. level 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 the education of 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 they receive intensive training in clinical practice with children and families, as well as in 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 practice school psychology across a range of environments including private practice, academia, hospitals, and school boards. The Ph.D. program is accredited by the Canadian Psychological Association (CPA) and the *Ordre des psychologues du Québec* (OPQ). Graduates are eligible for licensure in Quebec.

For further information, consult the Department's website.

## Graduate Diploma (Gr. Dip.) School/Applied Child Psychology (Post-Ph.D.) (p. 239)

\*\*Admission to this program is currently suspended.\*\*

For further information, consult the Department's website.

## Graduate Degrees in Educational Psychology

### Master of Education (M.Ed.) Educational Psychology (Non-Thesis) (48 credits)

The Master of Education (M.Ed.) program is designed to provide students with an appropriate foundation through course work, with opportunities to apply skills and theories through a variety of field placements, and with the possibility of delving further into an area of interest through research or curricular-development activities. The M.Ed. can be completed on a full-time basis in two years or on a part-time basis over three to five years (the part-time option is not applicable to the Project concentrations). Most of our courses are offered in the evening to accommodate students who are working during the day. Although many M.Ed. students have a teaching degree, a significant proportion of our students hold degrees in psychology, sociology, the health sciences, or other related disciplines.

There are five active concentrations in the M.Ed.: General Educational Psychology, General Educational Psychology Project, Inclusive Education, Inclusive Education Project, and Learning Sciences. Each provides a specially tailored path to the common goals as described above, enabling innovative educators to add advanced knowledge and

skills while developing their ability to contribute to new knowledge and skills in their areas of specialization.

1. **General Educational Psychology:** Focuses on core areas of educational psychology, permitting students with specific experiences and career paths to tailor the program to their particular situations. In addition to a small number of required core courses, students may select courses in learning theories, human development, diversity, and inclusion. These methodologies can be applied towards the growth and enhancement of knowledge and practice in a variety of formal and informal educational settings.

See Master of Education (M.Ed.) Educational Psychology (Non-Thesis): General Educational Psychology (48 credits) (p. 241).

2. **General Educational Psychology (Project):** Focuses on core areas of educational psychology, providing students with the flexibility to design a program that satisfies their professional and academic needs. The program provides a foundation in core areas of educational psychology through courses on learning theories, motivation, human development, and diverse classroom populations, complemented by research skill development. The program provides opportunities to study one area in greater depth or to add diverse course experiences and complete a research project.

See Master of Education (M.Ed.) Educational Psychology (Non-Thesis): General Educational Psychology: Project (48 credits) (p. 241).

3. **Inclusive Education:** With roots in Developmental Science, Philosophy, and Human rights, this concentration prepares students to work with diverse individuals in a variety of settings that emphasize inclusive practice. This stream focuses on the major theories and practices in the field of inclusive education, including diversity in development, and ecological models of teaching, learning, and assessment. These methodologies can be applied in schools, communities, and other settings to develop inclusive practices.

See Master of Education (M.Ed.) Educational Psychology (Non-Thesis): Inclusive Education (48 credits) (p. 242).

4. **Inclusive Education (Project):** Focuses on diversity in developmental behaviour and attainment, and eco-systemic and cultural models of teaching, learning, and assessment. Students will be trained in application and practice through behaviour, literacy assessment and intervention, differentiated teaching planning objectives, and the completion of a Research Project. These methodologies can be applied in schools, communities, and other settings to develop inclusive practices.

See Master of Education (M.Ed.) Educational Psychology (Non-Thesis): Inclusive Education: Project (48 credits) (p. 243).

5. **Learning Sciences:** Focuses on the study of learning as it occurs in real-world situations, and in the ways in which learning may be facilitated in designed environments. These methodologies can be applied in instructional design, including the use of technology, program/curriculum development, and evaluation.



See Master of Education (M.Ed.) Educational Psychology (Non-Thesis): Learning Sciences (48 credits) (p. 243).

For further information, consult the Department's website.

## Master of Arts (M.A.) Educational Psychology (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 three concentrations of study, select a topic for research, and present the results of such research in a thesis.

The program offers **three concentrations**:

1. **The Health Professions Education concentration** ([mcgill.ca/edu-ecp/programs/healthprofessions](http://mcgill.ca/edu-ecp/programs/healthprofessions)) 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. The program is offered in collaboration with the [mcgill.ca/ihse/](http://mcgill.ca/ihse/) and affiliated faculty. Graduate supervision is done jointly.

See Master of Arts (M.A.) Educational Psychology (Thesis): Health Professions Education (45 credits) (p. 244).

2. **The Human Development concentration** ([mcgill.ca/edu-ecp/programs/humandev](http://mcgill.ca/edu-ecp/programs/humandev)) focuses on core areas of human development such as cognitive, language, social, personality, and gender development among children and adolescents with diverse trajectories and from various family, educational, and community contexts. The program is unique in examining developmental trajectories from a variety of interdisciplinary perspectives. Theses work should focus on an issue in the field of human development related to educational psychology.

See Master of Arts (M.A.) Educational Psychology (Thesis): Human Development (45 credits) (p. 245).

3. **The Learning Sciences concentration** ([mcgill.ca/edu-ecp/programs/learningsci](http://mcgill.ca/edu-ecp/programs/learningsci)) The M.A. in Educational Psychology;

Learning Sciences focuses on educational research and its application to practice. Exploration and application of contemporary psychological and educational theories and empirical studies in (a) cognition, learning, and instruction; (b) self-regulation, motivation, and emotion; (c) technology-rich learning environments; and (d) social, cultural, and historical foundations of learning. Training in research design and data analytic techniques through coursework and thesis supervision.

See Master of Arts (M.A.) Educational Psychology (Thesis): Learning Sciences (45 credits) (p. 245).

## Doctor of Philosophy (Ph.D.); Educational Psychology

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 concentration.

The program offers **two concentrations**:

1. **Human Development concentration:** ([mcgill.ca/edu-ecp/programs/humandev](http://mcgill.ca/edu-ecp/programs/humandev)) The Human Development concentration focuses on core areas of human development such as cognitive, language, social, personality, and gender development among children and adolescents with diverse trajectories and from various family, educational, and community contexts. The program is unique in examining developmental trajectories from a variety of interdisciplinary perspectives. Dissertations should focus on an issue in the field of human development related to educational psychology.

See Doctor of Philosophy (Ph.D.) Educational Psychology: Human Development (p. 246).

2. **Learning Sciences concentration:** ([mcgill.ca/edu-ecp/programs/learningsci](http://mcgill.ca/edu-ecp/programs/learningsci)) The Ph.D. in Educational Psychology; Learning Sciences focuses on theory and research on understanding and improving learning and teaching in formal and informal educational settings including K-12 and post-secondary institutions, the workplace, professional practice, and virtual learning communities. Practical training in research design, advanced data analytic techniques, and professional development through coursework and dissertation supervision.

See Doctor of Philosophy (Ph.D.) Educational Psychology: Learning Sciences (p. 247).

## Location

Faculty of Education  
Department of Educational and Counselling Psychology  
3700 McTavish St., Room 614



Montréal, QC H3A 1Y2

Telephone: 514-398-4242

Fax: 514-398-6968

Email for general inquiries: [ecpinfo.education@mcgill.ca](mailto:ecpinfo.education@mcgill.ca)Email for admissions inquiries: [admissions.ecp@mcgill.ca](mailto:admissions.ecp@mcgill.ca)Website: [mcgill.ca/education/about-us/educational-counselling-psychology-ecp](http://mcgill.ca/education/about-us/educational-counselling-psychology-ecp)

## Counselling Psychology (Non-Thesis) (M.A.): Professional/Internship (60 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)**Degree:** Master of Arts**Program credit weight:** 60

### Program Description

\*\* This program is currently closed to admissions \*\*.

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_cou...](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_cou...)

### Required Internship (24 credits)

Expand allContract all

| Course     | Title                                                       | Credits |
|------------|-------------------------------------------------------------|---------|
| EDPC 677   | Internship Research Seminar: Quantitative Studies.          | 3       |
| EDPC 678   | Internship Research Seminar: Qualitative Studies.           | 3       |
| EDPC 679D1 | Internship: General 1.                                      | 3       |
| EDPC 679D2 | Internship: General 1.                                      | 3       |
| EDPC 683   | Practicum in Psychological Testing: Personality Assessment. | 3       |
| EDPC 684   | Practicum in Psychological Testing: Cognitive Assessment.   | 3       |
| EDPC 685D1 | Internship: Vocational and Rehabilitation Counselling.      | 3       |
| EDPC 685D2 | Internship: Vocational and Rehabilitation Counselling.      | 3       |

### Required Courses (33 credits)

Expand allContract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| EDPC 606   | Theories of Intervention 1.      | 3       |
| EDPC 607   | Theories of Counselling 2.       | 3       |
| EDPC 608   | Group Counselling: Theory.       | 3       |
| EDPC 609   | Psychological Testing 1.         | 3       |
| EDPC 615   | Assessment and Diagnosis 1.      | 3       |
| EDPC 618   | Professional Ethics and the Law. | 3       |
| EDPC 624   | Group Counselling: Practice.     | 3       |
| EDPC 662   | Career Psychology.               | 3       |
| EDPC 665D1 | Practicum.                       | 3       |

|            |                              |   |
|------------|------------------------------|---|
| EDPC 665D2 | Practicum.                   | 3 |
| EDPE 622   | Multiculturalism and Gender. | 3 |

### 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.

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EDPC 616 | Individual Reading Course.     | 3       |
| EDPC 670 | Current Trends in Counselling. | 3       |

## Counselling Psychology (Non-Thesis) (M.A.): Project (60 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)**Degree:** Master of Arts**Program credit weight:** 60

### Program Description

This program 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 the student's 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** fulfil the requirements for membership in the Ordre des psychologues du Québec (OPQ).

### Required Courses (57 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| EDPC 606 | Theories of Intervention 1. | 3       |
| EDPC 609 | Psychological Testing 1.    | 3       |
| EDPC 615 | Assessment and Diagnosis 1. | 3       |
| EDPC 619 | Research Project 1.         | 3       |
| EDPC 620 | Research Project 2.         | 3       |
| EDPC 621 | Research Project 3.         | 3       |
| EDPC 625 | Clinic Practicum 1.         | 6       |
| EDPC 626 | Clinic Practicum 2.         | 6       |
| EDPC 628 | Research Project 4.         | 3       |
| EDPC 629 | Research Project 5.         | 3       |
| EDPC 630 | Research Project 6.         | 3       |
| EDPC 662 | Career Psychology.          | 3       |

|          |                                                             |   |
|----------|-------------------------------------------------------------|---|
| EDPC 683 | Practicum in Psychological Testing: Personality Assessment. | 3 |
| EDPC 684 | Practicum in Psychological Testing: Cognitive Assessment.   | 3 |
| EDPE 622 | Multiculturalism and Gender.                                | 3 |
| EDPE 627 | Ethical and Professional Practice of Psychology.            | 3 |
| EDPE 676 | Intermediate Statistics.                                    | 3 |

## Complementary Courses (3 credits)

3 credits from the following:

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 682 | Univariate/Multivariate Analysis.              | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

## Counselling Psychology (Ph.D.)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Doctor of Philosophy

### Program Description

Students pursuing a Ph.D. in Counselling Psychology take a combination of theoretical, practical, and research-based courses throughout the duration of their degree. The program draws upon a number of different 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 toward the completion of a doctoral dissertation (thesis). The Ph.D. program, aims to:

1. Contribute to the advancement of knowledge in the field of counselling psychology
2. Practice from strong evidence base
3. 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), and the *Ordre des psychologues du Québec* (OPQ) (Please note that the APA no longer accredits programs outside of the United States of America). Graduates are eligible for licensure in Quebec.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate

ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDPC 701 | Comprehensive Examination.                       | 0       |
| EDPC 702 | Assessment and Diagnosis 2.                      | 3       |
| EDPC 714 | Theory / Models: Family Therapy.                 | 3       |
| EDPC 720 | Consultation and Program Evaluation.             | 3       |
| EDPC 780 | Supervision.                                     | 6       |
| EDPC 782 | Doctoral Field Experience.                       | 6       |
| EDPC 786 | Proposal Preparation and Defense.                | 6       |
| EDPE 712 | Neurological Bases of Behaviour Across Lifespan. | 3       |

## Required Internship (24 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| EDPC 795 | Pre-doctoral Internship. | 24      |

## Complementary Courses (6 credits)

6 credits from the following:

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 682 | Univariate/Multivariate Analysis.              | 3       |
| EDPE 684 | Applied Multivariate Statistics.               | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

## 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.

## School/Applied Child Psychology (Non-Thesis) (M.A.) (60 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 60

### Program Description

The MA in School/Applied Child Psychology (SACP) is a research-based, non-thesis degree that requires completion of a research project per program guidelines. SACP at McGill prepares the next generation of school psychologists to provide state of the art

educational and mental health services to children and adolescents from birth to 21 years old. Coursework, clinical experiences, field and community service, and research activities are designed to enhance and develop the professional skills and the knowledge base of our students. In McGill's scientist-practitioner training model, research supports and improves our clinical activities; and clinical activities support and inspire our research. McGill's School/Applied Child Psychology faculty and students are among the most productive research units in North America. Professional school psychologists educated at McGill become leaders in research and higher education, school-based practice, hospital-based positions, independent practice, mental health centres, and policy-making roles.

Typically, students entering the M.A. program choose to apply to the Ph.D. in School/Applied Child Psychology program which builds upon the foundation gained in the M.A. degree. Upon completion of the M.A. and Ph.D. programs, students are eligible for licensure as Psychologists with the Ordre des psychologues du Québec (OPQ).

## Required Courses (60 credits)

Expand allContract all

| Course     | Title                                                    | Credits |
|------------|----------------------------------------------------------|---------|
| EDPE 620   | Developmental Psychopathology.                           | 3       |
| EDPE 622   | Multiculturalism and Gender.                             | 3       |
| EDPE 627   | Ethical and Professional Practice of Psychology.         | 3       |
| EDPE 676   | Intermediate Statistics.                                 | 3       |
| EDPE 682   | Univariate/Multivariate Analysis.                        | 3       |
| EDPI 654   | Instruction/Curriculum Adaptation.                       | 3       |
| EDSP 600D1 | School Psychology Seminar.                               | 1.5     |
| EDSP 600D2 | School Psychology Seminar.                               | 1.5     |
| EDSP 609   | Introduction to Cognitive Assessment.                    | 3       |
| EDSP 610   | Introduction to Psycho-educational Assessment.           | 3       |
| EDSP 611   | History, Theory and Best Practices in School Psychology. | 3       |
| EDSP 619   | Child and Adolescent Therapy.                            | 3       |
| EDSP 650D1 | Professional Practice in School Setting.                 | 1.5     |
| EDSP 650D2 | Professional Practice in School Setting.                 | 1.5     |
| EDSP 682D1 | Psycho-Educational Assessment & Intervention Practicum.  | 3       |
| EDSP 682D2 | Psycho-Educational Assessment & Intervention Practicum.  | 3       |
| EDSP 691   | Research Project 1.                                      | 3       |
| EDSP 692   | Research Project 2.                                      | 3       |
| EDSP 693   | Research Project 3.                                      | 3       |
| EDSP 694   | Research Project 4.                                      | 3       |
| EDSP 695   | Research Project 5.                                      | 3       |
| EDSP 696   | Research Project 6.                                      | 3       |

## School/Applied Child Psychology (Ph.D.)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Doctor of Philosophy

## Program Description

The School/Applied Child Psychology program at McGill University prepares the next generation of school psychologists to provide state of the art educational and mental health services to children and adolescents from birth to 21 years old. Course work, clinical experiences, field and community service, and research activities are designed to enhance and develop the professional skills and the knowledge base of our students. In McGill's scientist-practitioner training model, research supports and improves our clinical activities; and clinical activities support and inspire our research. McGill's School/Applied Child Psychology faculty and students are among the most productive research units in North America. Professional school psychologists educated at McGill become leaders in research and higher education, school-based practice, hospital-based positions, independent practice, mental health centres, and policy making roles.

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_cou....](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_cou....)

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Comprehensive Exam

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| EDSP 701 | Comprehensive Examination. | 0       |

## Required Courses (60 credits)

24 credits:

Expand allContract all

| Course     | Title                                                 | Credits |
|------------|-------------------------------------------------------|---------|
| EDPC 714   | Theory / Models: Family Therapy.                      | 3       |
| EDPE 712   | Neurological Bases of Behaviour Across Lifespan.      | 3       |
| EDSP 702   | Selected Topics in School/Applied Child Psychology 2. | 3       |
| EDSP 705D1 | Practicum: School Psychology.                         | 3       |
| EDSP 705D2 | Practicum: School Psychology.                         | 3       |
| EDSP 710   | Consultation in School Psychology.                    | 3       |
| EDSP 715D1 | Theory and Practice of Supervision.                   | 3       |
| EDSP 715D2 | Theory and Practice of Supervision.                   | 3       |

## Field Placement (12 credits)

Expand allContract all

| Course     | Title                                 | Credits |
|------------|---------------------------------------|---------|
| EDSP 721D1 | Field Placement 1: School Psychology. | 3       |
| EDSP 721D2 | Field Placement 1: School Psychology. | 3       |
| EDSP 722D1 | Field Placement 2: School Psychology. | 3       |
| EDSP 722D2 | Field Placement 2: School Psychology. | 3       |

## Internship (24 credits)

Expand allContract all

| Course     | Title                          | Credits |
|------------|--------------------------------|---------|
| EDSP 725D1 | Internship: School Psychology. | 12      |
| EDSP 725D2 | Internship: School Psychology. | 12      |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 684 | Applied Multivariate Statistics.               | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

## School/Applied Child Psychology (Post-Ph.D.) (Gr. Dip.) (66 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)  
**Program credit weight:** 66

## Program Description

Note: Admission to this program is currently suspended

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_cou....](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_cou....)

## 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.

Expand allContract all

| Course     | Title                             | Credits |
|------------|-----------------------------------|---------|
| EDPC 609   | Psychological Testing 1.          | 3       |
| EDPC 610   | Psychological Testing 2.          | 3       |
| EDPC 618   | Professional Ethics and the Law.  | 3       |
| EDPC 682D1 | Practicum: Psychological Testing. | 3       |
| EDPC 682D2 | Practicum: Psychological Testing. | 3       |
| EDPC 714   | Theory / Models: Family Therapy.  | 3       |
| EDPE 619   | Child and Adolescent Therapy.     | 3       |
| EDPE 625   | Practicum 1: School Psychology.   | 3       |

|          |                                    |   |
|----------|------------------------------------|---|
| EDPE 626 | Practicum 2: School Psychology.    | 3 |
| EDPE 710 | Consultation in School Psychology. | 3 |

## 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 School Psychology: Elementary. or EDPE 722 School Psychology: Secondary.:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EDPE 721 | School Psychology: Elementary. | 6       |
| EDPE 722 | School Psychology: Secondary.  | 6       |
| EDPE 723 | School Psychology: Community.  | 6       |

## Internship

One year full time or two years half-time

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 725 | Internship 1 - School Psychology. | 12      |
| EDPE 726 | Internship 2 - School Psychology. | 12      |

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.

## School/Applied Child Psychology (Psy.D)

**Offered by:** Educational & Counselling Psych (Faculty of Education)  
**Degree:** Doctor of Psychology

## Program Description

The Doctor of Psychology in School/Applied Psychology focuses on providing psychological, educational and mental health services

to children and adolescents from birth to 21 years old. The program includes clinical experience, field and community service, and research activities.

Required Courses (72 credits)

Expand allContract all

| Course     | Title                                                 | Credits |
|------------|-------------------------------------------------------|---------|
| EDPC 714   | Theory / Models: Family Therapy.                      | 3       |
| EDPE 712   | Neurological Bases of Behaviour Across Lifespan.      | 3       |
| EDSP 702   | Selected Topics in School/Applied Child Psychology 2. | 3       |
| EDSP 705D1 | Practicum: School Psychology.                         | 3       |
| EDSP 705D2 | Practicum: School Psychology.                         | 3       |
| EDSP 710   | Consultation in School Psychology.                    | 3       |
| EDSP 715D1 | Theory and Practice of Supervision.                   | 3       |
| EDSP 715D2 | Theory and Practice of Supervision.                   | 3       |

Research Project

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| EDSP 691 | Research Project 1. | 3       |
| EDSP 692 | Research Project 2. | 3       |
| EDSP 693 | Research Project 3. | 3       |
| EDSP 694 | Research Project 4. | 3       |

Field Placement

Expand allContract all

| Course     | Title                                 | Credits |
|------------|---------------------------------------|---------|
| EDSP 721D1 | Field Placement 1: School Psychology. | 3       |
| EDSP 721D2 | Field Placement 1: School Psychology. | 3       |
| EDSP 722D1 | Field Placement 2: School Psychology. | 3       |
| EDSP 722D2 | Field Placement 2: School Psychology. | 3       |

Internship

Expand allContract all

| Course     | Title                          | Credits |
|------------|--------------------------------|---------|
| EDSP 725D1 | Internship: School Psychology. | 12      |
| EDSP 725D2 | Internship: School Psychology. | 12      |

Complementary Course (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 684 | Applied Multivariate Statistics.               | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

Counselling Psychology (Psy.D.)

Offered by: Educational & Counselling Psych (Faculty of Education)  
Degree: Doctor of Psychology

Program Description

The Doctor of Psychology in Counselling Psychology focuses on the positive growth, well being, and mental health of individuals. The program includes clinical experiences, field and community service, and research activities.

Required Courses (60 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDPC 702 | Assessment and Diagnosis 2.                      | 3       |
| EDPC 714 | Theory / Models: Family Therapy.                 | 3       |
| EDPC 720 | Consultation and Program Evaluation.             | 3       |
| EDPC 780 | Supervision.                                     | 6       |
| EDPC 782 | Doctoral Field Experience.                       | 6       |
| EDPE 712 | Neurological Bases of Behaviour Across Lifespan. | 3       |

Research Project

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| EDPC 619 | Research Project 1. | 3       |
| EDPC 620 | Research Project 2. | 3       |
| EDPC 621 | Research Project 3. | 3       |
| EDPC 628 | Research Project 4. | 3       |

Internship

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| EDPC 795 | Pre-doctoral Internship. | 24      |

Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 682 | Univariate/Multivariate Analysis.              | 3       |
| EDPE 684 | Applied Multivariate Statistics.               | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

Elective Courses (6 credits)

6 credits at the 500 level or higher, which are on topics related to specialized interests and must be approved by the supervisor.



## Educational Psychology (Non-Thesis) (M.A.) (48 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 48

### Program Description

This program is currently not offered.

## Educational Psychology (Non-Thesis) (M.Ed.): General Educational Psychology (48 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Education

**Program credit weight:** 48

### Program Description

The M.Ed. in Educational Psychology; Non-Thesis-General Educational Psychology focuses on core areas of educational psychology, including learning theories, human development, diversity, and inclusion. Application towards the growth and enhancement of knowledge and practice in a variety of formal and informal educational settings.

### Required Courses (21 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| EDPE 502 | Theories of Human Development.          | 3       |
| EDPE 535 | Instructional Design.                   | 3       |
| EDPE 575 | Statistics for Practitioners.           | 3       |
| EDPE 602 | Uses of Research Findings in Education. | 3       |
| EDPE 635 | Theories of Learning and Instruction.   | 3       |
| EDPE 670 | Educational Assessment and Evaluation.  | 3       |
| EDPI 642 | Inclusion: Past, Present and Future.    | 3       |

### Complementary Courses (24 credits)

24 credits from the following:

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| EDPC 501 | Facilitating Relationships .                            | 3       |
| EDPC 502 | Group Processes and Diversity.                          | 3       |
| EDPC 503 | Intersectional Relationships and Sexualities.           | 3       |
| EDPC 504 | Communication and Critical Conflict Resolution .        | 3       |
| EDPC 505 | Crisis Intervention Processes.                          | 3       |
| EDPC 507 | Advocacy, Outreach and Leadership.                      | 3       |
| EDPC 540 | Social Responsibility and Relationships in Digital Age. | 3       |

|            |                                               |   |
|------------|-----------------------------------------------|---|
| EDPC 542   | Leadership and Support Roles of the Teacher.  | 3 |
| EDPC 562   | Career as a Lifelong Process.                 | 3 |
| EDPE 515   | Gender Identity Development.                  | 3 |
| EDPE 555   | Introduction to Learning Sciences             | 3 |
| EDPE 595   | Seminar in Special Topics 1 .                 | 3 |
| EDPE 596   | Seminar in Special Topics 2.                  | 3 |
| EDPE 616   | Cognitive Development.                        | 3 |
| EDPE 620   | Developmental Psychopathology.                | 3 |
| EDPE 623   | Social-Emotional Development.                 | 3 |
| EDPE 636   | Motivation and Instruction.                   | 3 |
| EDPE 640   | Emerging Technologies for Educational Change. | 3 |
| EDPE 663   | Learning Environments.                        | 3 |
| EDPE 664   | Critical Thinking                             | 3 |
| EDPE 666   | Advanced Topics in Learning Sciences          | 3 |
| EDPE 699D1 | Special Activity.                             | 6 |
| EDPE 699D2 | Special Activity.                             | 6 |
| EDPI 526   | Supporting Students' Strengths and Talents.   | 3 |
| EDPI 527   | Creativity and its Cultivation.               | 3 |
| EDPI 539   | Field Work 1.                                 | 3 |
| EDPI 540   | Field Work 2.                                 | 3 |
| EDPI 543   | Family, School and Community.                 | 3 |
| EDPI 645   | Assessment For Effective Intervention.        | 3 |
| EDPI 654   | Instruction/Curriculum Adaptation.            | 3 |
| EDPI 656D1 | Community-Based Field Work .                  | 3 |
| EDPI 656D2 | Community-Based Field Work.                   | 3 |
| EDPI 665   | Teaching of Reading.                          | 3 |
| EDPI 667   | Promoting Social and Emotional Well-Being.    | 3 |

### Elective Courses (3 credits)

3 credits at the 500- or 600-level of courses offered by the Department or from other departments or faculties with approval of the Program Director.

## Educational Psychology (Non-Thesis) (M.Ed.): General Educational Psychology: Project (48 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Education

**Program credit weight:** 48

### Program Description

The M.Ed. in Educational Psychology: Non-Thesis - General Educational Psychology-Project focuses on core areas of educational psychology, including learning theories, human development, diversity, and inclusion. Application towards the growth and enhancement of knowledge and practice in a variety of formal and informal educational

settings. Provides an opportunity to focus on an issue in the field of educational psychology by completing a research project.

## Required Courses (33 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| EDPE 502 | Theories of Human Development.          | 3       |
| EDPE 535 | Instructional Design.                   | 3       |
| EDPE 575 | Statistics for Practitioners.           | 3       |
| EDPE 602 | Uses of Research Findings in Education. | 3       |
| EDPE 635 | Theories of Learning and Instruction.   | 3       |
| EDPE 670 | Educational Assessment and Evaluation.  | 3       |
| EDPI 642 | Inclusion: Past, Present and Future.    | 3       |
| EDPI 691 | Research Project 1.                     | 3       |
| EDPI 692 | Research Project 2.                     | 3       |
| EDPI 693 | Research Project 3.                     | 3       |
| EDPI 694 | Research Project 4.                     | 3       |

## Complementary Courses (15 credits)

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| EDPC 501 | Facilitating Relationships .                            | 3       |
| EDPC 502 | Group Processes and Diversity.                          | 3       |
| EDPC 503 | Intersectional Relationships and Sexualities.           | 3       |
| EDPC 504 | Communication and Critical Conflict Resolution .        | 3       |
| EDPC 505 | Crisis Intervention Processes.                          | 3       |
| EDPC 507 | Advocacy, Outreach and Leadership.                      | 3       |
| EDPC 540 | Social Responsibility and Relationships in Digital Age. | 3       |
| EDPC 542 | Leadership and Support Roles of the Teacher.            | 3       |
| EDPC 562 | Career as a Lifelong Process.                           | 3       |
| EDPE 515 | Gender Identity Development.                            | 3       |
| EDPE 555 | Introduction to Learning Sciences                       | 3       |
| EDPE 595 | Seminar in Special Topics 1 .                           | 3       |
| EDPE 596 | Seminar in Special Topics 2.                            | 3       |
| EDPE 616 | Cognitive Development.                                  | 3       |
| EDPE 620 | Developmental Psychopathology.                          | 3       |
| EDPE 623 | Social-Emotional Development.                           | 3       |
| EDPE 636 | Motivation and Instruction.                             | 3       |
| EDPE 640 | Emerging Technologies for Educational Change.           | 3       |
| EDPE 663 | Learning Environments.                                  | 3       |
| EDPE 664 | Critical Thinking                                       | 3       |
| EDPE 666 | Advanced Topics in Learning Sciences                    | 3       |
| EDPI 526 | Supporting Students' Strengths and Talents.             | 3       |
| EDPI 527 | Creativity and its Cultivation.                         | 3       |
| EDPI 543 | Family, School and Community.                           | 3       |

|          |                                            |   |
|----------|--------------------------------------------|---|
| EDPI 645 | Assessment For Effective Intervention.     | 3 |
| EDPI 654 | Instruction/Curriculum Adaptation.         | 3 |
| EDPI 665 | Teaching of Reading.                       | 3 |
| EDPI 667 | Promoting Social and Emotional Well-Being. | 3 |

## Educational Psychology (Non-Thesis) (M.Ed.): Inclusive Education (48 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Education

**Program credit weight:** 48

## Program Description

The M.Ed. in Educational Psychology: Non-Thesis-Inclusive Education focuses on the major theories and practices in the field of inclusive education, including diversity in development, and ecological models of teaching, learning, and assessment. Application in school, community, and other settings to develop inclusive practices.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPE 502 | Theories of Human Development.             | 3       |
| EDPE 575 | Statistics for Practitioners.              | 3       |
| EDPE 602 | Uses of Research Findings in Education.    | 3       |
| EDPE 635 | Theories of Learning and Instruction.      | 3       |
| EDPI 543 | Family, School and Community.              | 3       |
| EDPI 642 | Inclusion: Past, Present and Future.       | 3       |
| EDPI 645 | Assessment For Effective Intervention.     | 3       |
| EDPI 654 | Instruction/Curriculum Adaptation.         | 3       |
| EDPI 665 | Teaching of Reading.                       | 3       |
| EDPI 667 | Promoting Social and Emotional Well-Being. | 3       |

## Complementary Courses (18 credits)

18 credits from the following:

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| EDPC 501 | Facilitating Relationships .                            | 3       |
| EDPC 502 | Group Processes and Diversity.                          | 3       |
| EDPC 503 | Intersectional Relationships and Sexualities.           | 3       |
| EDPC 504 | Communication and Critical Conflict Resolution .        | 3       |
| EDPC 505 | Crisis Intervention Processes.                          | 3       |
| EDPC 507 | Advocacy, Outreach and Leadership.                      | 3       |
| EDPC 540 | Social Responsibility and Relationships in Digital Age. | 3       |
| EDPC 542 | Leadership and Support Roles of the Teacher.            | 3       |
| EDPC 562 | Career as a Lifelong Process.                           | 3       |

|            |                                               |   |
|------------|-----------------------------------------------|---|
| EDPE 515   | Gender Identity Development.                  | 3 |
| EDPE 595   | Seminar in Special Topics 1.                  | 3 |
| EDPE 596   | Seminar in Special Topics 2.                  | 3 |
| EDPE 640   | Emerging Technologies for Educational Change. | 3 |
| EDPE 699D1 | Special Activity.                             | 6 |
| EDPE 699D2 | Special Activity.                             | 6 |
| EDPI 526   | Supporting Students' Strengths and Talents.   | 3 |
| EDPI 527   | Creativity and its Cultivation.               | 3 |
| EDPI 539   | Field Work 1.                                 | 3 |
| EDPI 540   | Field Work 2.                                 | 3 |
| EDPI 656D1 | Community-Based Field Work .                  | 3 |
| EDPI 656D2 | Community-Based Field Work.                   | 3 |

## Educational Psychology (Non-Thesis) (M.Ed.): Inclusive Education: Project (48 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Education

**Program credit weight:** 48

### Program Description

The M.Ed. in Educational Psychology: Non-Thesis-Inclusive Education-Project focuses on the major theories and practices in the field of inclusive education, including diversity in development, and ecological models of teaching, learning, and assessment. Application in school, community, and other settings to develop inclusive practices. Provides an opportunity to focus on an issue in the field of inclusive education by completing a research project.

### Required Courses (42 credits)

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPE 502 | Theories of Human Development.             | 3       |
| EDPE 575 | Statistics for Practitioners.              | 3       |
| EDPE 602 | Uses of Research Findings in Education.    | 3       |
| EDPE 635 | Theories of Learning and Instruction.      | 3       |
| EDPI 543 | Family, School and Community.              | 3       |
| EDPI 642 | Inclusion: Past, Present and Future.       | 3       |
| EDPI 645 | Assessment For Effective Intervention.     | 3       |
| EDPI 654 | Instruction/Curriculum Adaptation.         | 3       |
| EDPI 665 | Teaching of Reading.                       | 3       |
| EDPI 667 | Promoting Social and Emotional Well-Being. | 3       |
| EDPI 691 | Research Project 1.                        | 3       |
| EDPI 692 | Research Project 2.                        | 3       |
| EDPI 693 | Research Project 3.                        | 3       |
| EDPI 694 | Research Project 4.                        | 3       |

## Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| EDPC 501 | Facilitating Relationships .                            | 3       |
| EDPC 502 | Group Processes and Diversity.                          | 3       |
| EDPC 503 | Intersectional Relationships and Sexualities.           | 3       |
| EDPC 504 | Communication and Critical Conflict Resolution .        | 3       |
| EDPC 505 | Crisis Intervention Processes.                          | 3       |
| EDPC 507 | Advocacy, Outreach and Leadership.                      | 3       |
| EDPC 540 | Social Responsibility and Relationships in Digital Age. | 3       |
| EDPC 542 | Leadership and Support Roles of the Teacher.            | 3       |
| EDPC 562 | Career as a Lifelong Process.                           | 3       |
| EDPE 515 | Gender Identity Development.                            | 3       |
| EDPE 595 | Seminar in Special Topics 1 .                           | 3       |
| EDPE 596 | Seminar in Special Topics 2.                            | 3       |
| EDPE 640 | Emerging Technologies for Educational Change.           | 3       |
| EDPE 676 | Intermediate Statistics.                                | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology.          | 3       |
| EDPI 526 | Supporting Students' Strengths and Talents.             | 3       |
| EDPI 527 | Creativity and its Cultivation.                         | 3       |
| EDPI 539 | Field Work 1.                                           | 3       |
| EDPI 540 | Field Work 2.                                           | 3       |

## Educational Psychology (Non-Thesis) (M.Ed.): Learning Sciences (48 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Education

**Program credit weight:** 48

### Program Description

The M.Ed. in Educational Psychology; Non-Thesis - Learning Sciences focuses on the study of applied methods and data science and on teaching and learning in formal and informal contexts, including cognitive, social, and affective processes. Application in methods and data science include data mining and machine learning. Application in instructional design includes the use of technology, program/ curriculum development and evaluation. The program includes two streams: Applied Methods and Data Science, and Science of Learning and Instruction.

### Required Courses (15 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EDPE 555 | Introduction to Learning Sciences     | 3       |
| EDPE 635 | Theories of Learning and Instruction. | 3       |

|          |                                               |   |
|----------|-----------------------------------------------|---|
| EDPE 636 | Motivation and Instruction.                   | 3 |
| EDPE 640 | Emerging Technologies for Educational Change. | 3 |
| EDPE 663 | Learning Environments.                        | 3 |

## Complementary Courses (33 credits)

3 credits from the following:

### Methods

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| EDPE 602 | Uses of Research Findings in Education. | 3       |
| EDPE 605 | Research Methods.                       | 3       |

### Statistics

3 credits from the following:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| EDPE 575 | Statistics for Practitioners. | 3       |
| EDPE 676 | Intermediate Statistics.      | 3       |

15 credits from the following:

Expand allContract all

| Course     | Title                                                   | Credits |
|------------|---------------------------------------------------------|---------|
| EDPC 502   | Group Processes and Diversity.                          | 3       |
| EDPC 504   | Communication and Critical Conflict Resolution .        | 3       |
| EDPC 507   | Advocacy, Outreach and Leadership.                      | 3       |
| EDPC 540   | Social Responsibility and Relationships in Digital Age. | 3       |
| EDPC 542   | Leadership and Support Roles of the Teacher.            | 3       |
| EDPC 562   | Career as a Lifelong Process.                           | 3       |
| EDPE 502   | Theories of Human Development.                          | 3       |
| EDPE 664   | Critical Thinking                                       | 3       |
| EDPE 668   | Advanced Seminar in Learning Sciences.                  | 3       |
| EDPE 699D1 | Special Activity.                                       | 6       |
| EDPE 699D2 | Special Activity.                                       | 6       |
| EDPI 526   | Supporting Students' Strengths and Talents.             | 3       |
| EDPI 527   | Creativity and its Cultivation.                         | 3       |
| EDPI 539   | Field Work 1.                                           | 3       |
| EDPI 540   | Field Work 2.                                           | 3       |
| EDPI 654   | Instruction/Curriculum Adaptation.                      | 3       |

12 credits from one of the following two streams:

### Stream 1: Science of Learning and Instruction

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDPE 535 | Instructional Design.                            | 3       |
| EDPE 656 | Applied Theory/Methods in the Learning Sciences. | 3       |

|          |                                        |   |
|----------|----------------------------------------|---|
| EDPE 666 | Advanced Topics in Learning Sciences   | 3 |
| EDPE 670 | Educational Assessment and Evaluation. | 3 |
| EDPI 665 | Teaching of Reading.                   | 3 |

### Stream 2: Applied Methods and Data Science

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 510 | Machine Learning in Society                    | 3       |
| EDPE 561 | Machine Learning: Theory & Applications        | 3       |
| EDPE 682 | Univariate/Multivariate Analysis.              | 3       |
| EDPE 684 | Applied Multivariate Statistics.               | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

## Educational Psychology (Thesis) (M.A.): Health Professions Education (45 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)  
**Degree:** Master of Arts  
**Program credit weight:** 45

### Program Description

The Master of Arts (M.A.) Educational Psychology (Thesis); Health Professions Education focuses on the practice of teaching and learning as they happen in the health professions and throughout the lifespan. Student admission and supervision is done jointly with the Institute of Health Sciences Education (IHSE).

### Thesis Courses (18 credits)

Expand allContract all

| Course   | Title     | Credits |
|----------|-----------|---------|
| EDPE 604 | Thesis 1. | 3       |
| EDPE 607 | Thesis 2. | 3       |
| EDPE 693 | Thesis 3. | 3       |
| EDPE 694 | Thesis 4. | 3       |
| EDPE 695 | Thesis 5. | 6       |

### Prerequisite Course (or equivalent) (3 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| EDPE 575 | Statistics for Practitioners. | 3       |

### Required Courses (15 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| EDPE 605 | Research Methods.                       | 3       |
| EDPE 637 | Issues in Health Professions Education. | 3       |
| EDPE 676 | Intermediate Statistics.                | 3       |

|          |                                            |   |
|----------|--------------------------------------------|---|
| EDPE 682 | Univariate/Multivariate Analysis.          | 3 |
| EDPH 689 | Teaching and Learning in Higher Education. | 3 |

## Complementary Courses (12 credits)

12 credits from the following:

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDPE 535 | Instructional Design.                            | 3       |
| EDPE 555 | Introduction to Learning Sciences                | 3       |
| EDPE 635 | Theories of Learning and Instruction.            | 3       |
| EDPE 656 | Applied Theory/Methods in the Learning Sciences. | 3       |
| EDPE 663 | Learning Environments.                           | 3       |
| EDPE 664 | Critical Thinking                                | 3       |
| EDPE 666 | Advanced Topics in Learning Sciences             | 3       |
| EDPE 668 | Advanced Seminar in Learning Sciences.           | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology.   | 3       |

or other 500-, or 600-level courses offered by the Department and with the approval of the supervisor and the Program Director.

## Educational Psychology (Thesis) (M.A.): Human Development (45 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The Master of Arts (M.A.) Educational Psychology (Thesis): Human Development concentration focuses on core areas of human development such as cognitive, language, social, personality, and gender development among children and adolescents with diverse trajectories and from various family, educational and community contexts. The program is unique in examining developmental trajectories from a variety of interdisciplinary perspectives. The student's thesis should focus on an issue in the field of human development related to educational psychology.

## Thesis Courses (24 credits)

| Course   | Title     | Credits |
|----------|-----------|---------|
| EDPE 604 | Thesis 1. | 3       |
| EDPE 607 | Thesis 2. | 3       |
| EDPE 693 | Thesis 3. | 3       |
| EDPE 694 | Thesis 4. | 3       |
| EDPE 695 | Thesis 5. | 6       |
| EDPE 696 | Thesis 6. | 6       |

## Required Courses (15 credits)

Expand allContract all

| Course     | Title                          | Credits |
|------------|--------------------------------|---------|
| EDPE 502   | Theories of Human Development. | 3       |
| EDPE 605   | Research Methods.              | 3       |
| EDPE 632D1 | Research Seminar.              | 0       |
| EDPE 632D2 | Research Seminar.              | 0       |
| EDPE 672   | Human Development Seminar 1.   | 3       |
| EDPE 673   | Human Development Seminar 2.   | 3       |
| EDPE 676   | Intermediate Statistics.       | 3       |

## Complementary Courses (6 credits)

3 credits from the following:

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 682 | Univariate/Multivariate Analysis.              | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

3 credits from the following:

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| EDPE 515 | Gender Identity Development.         | 3       |
| EDPE 616 | Cognitive Development.               | 3       |
| EDPE 623 | Social-Emotional Development.        | 3       |
| EDPI 642 | Inclusion: Past, Present and Future. | 3       |

or other 500-, 600-, or 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

## Educational Psychology (Thesis) (M.A.): Learning Sciences (45 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Master of Arts

**Programs credit weight:** 45

### Program Description

The M.A. in Educational Psychology; Learning Sciences focuses on educational research, its application to practice, research design, and data analytic techniques. Exploration and application of contemporary psychological and educational theories and empirical studies in the science of learning and instruction; self-regulation, motivation, and emotion; educational technology; and applied methods and data science.

## Thesis Courses (24 credits)

Expand allContract all



| Course   | Title     | Credits |
|----------|-----------|---------|
| EDPE 604 | Thesis 1. | 3       |
| EDPE 607 | Thesis 2. | 3       |
| EDPE 693 | Thesis 3. | 3       |
| EDPE 694 | Thesis 4. | 3       |
| EDPE 695 | Thesis 5. | 6       |
| EDPE 696 | Thesis 6. | 6       |

Required Courses (18 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDPE 605 | Research Methods.                                | 3       |
| EDPE 656 | Applied Theory/Methods in the Learning Sciences. | 3       |
| EDPE 663 | Learning Environments.                           | 3       |
| EDPE 666 | Advanced Topics in Learning Sciences             | 3       |
| EDPE 676 | Intermediate Statistics.                         | 3       |
| EDPE 682 | Univariate/Multivariate Analysis.                | 3       |

Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 510 | Machine Learning in Society                    | 3       |
| EDPE 561 | Machine Learning: Theory & Applications        | 3       |
| EDPE 636 | Motivation and Instruction.                    | 3       |
| EDPE 640 | Emerging Technologies for Educational Change.  | 3       |
| EDPE 664 | Critical Thinking                              | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

or other 500-, or 600-level courses offered by the Department and with the approval of the supervisor and the Program Director.

Educational Psychology (Ph.D.): Human Development

**Offered by:** Educational & Counselling Psych (Faculty of Education)  
**Degree:** Doctor of Philosophy

Program Description

The Ph.D. Educational Psychology: Human Development focuses on core areas of human development such as cognitive, language, social, personality, and gender development among children and adolescents with diverse trajectories and from various family, educational and community contexts. The program is unique in examining developmental trajectories from a variety of interdisciplinary perspectives. The student's dissertation should focus on an issue in the field of human development related to educational psychology.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (9 credits)

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPE 683 | Human Development Seminar 3.               | 3       |
| EDPE 686 | Human Development Seminar 4.               | 3       |
| EDPE 708 | Comprehensive Examination.                 | 0       |
| EDPH 689 | Teaching and Learning in Higher Education. | 3       |

Complementary Courses (15 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 682 | Univariate/Multivariate Analysis.              | 3       |
| EDPE 684 | Applied Multivariate Statistics.               | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |

9 credits from the following:

Expand allContract all

| Course     | Title                                | Credits |
|------------|--------------------------------------|---------|
| EDPE 620   | Developmental Psychopathology.       | 3       |
| EDPI 642   | Inclusion: Past, Present and Future. | 3       |
| EDPI 656D1 | Community-Based Field Work .         | 3       |
| EDPI 656D2 | Community-Based Field Work.          | 3       |
| EDPI 665   | Teaching of Reading.                 | 3       |

Or other 600- and 700-level courses offered by the Department, which must be approved by the Supervisor and Program Director.

# Educational Psychology (Ph.D.): Learning Sciences

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Educational Psychology; Learning Sciences focuses on theory and research on understanding and improving learning and teaching in formal and informal educational settings including K-12 and post-secondary institutions, the workplace, professional practice, and virtual learning communities. Practical training in research design, advanced data analytic techniques, and professional development through coursework and dissertation supervision.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (18 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EDPE 684 | Applied Multivariate Statistics.               | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology. | 3       |
| EDPE 704 | Professional Development Seminar 1.            | 3       |
| EDPE 705 | Professional Development Seminar 2.            | 3       |
| EDPE 706 | Professional Development Seminar 3.            | 3       |
| EDPE 707 | Professional Development Seminar 4.            | 3       |
| EDPE 708 | Comprehensive Examination.                     | 0       |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPE 636 | Motivation and Instruction.                | 3       |
| EDPE 663 | Learning Environments.                     | 3       |
| EDPE 664 | Critical Thinking                          | 3       |
| EDPE 668 | Advanced Seminar in Learning Sciences.     | 3       |
| EDPH 689 | Teaching and Learning in Higher Education. | 3       |

or other 600-, 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

# Counselling Applied to Teaching (Gr. Cert.) (15 credits)

**Offered by:** Educational & Counselling Psych (Faculty of Education)

**Program credit weight:** 15

## Program Description

The goal of this program is to enhance teachers' knowledge and skills in interpersonal relations, communication, interviewing, group organization and leadership, crisis intervention, and career thinking and planning. Each of these knowledge areas addresses the recognition of situations when it is appropriate to make a referral to a personal or career counsellor, psychologist, or other professional. The program addresses both elementary and secondary education.

This graduate certificate does not qualify graduates to practise professional counselling or psychology (e.g., conducting psychological assessments or psychotherapy), or to refer to themselves by the term Counsellor or Psychologist: these are legally reserved titles. Programs leading to licensing as Counsellor or Psychologist are presented under Educational and Counselling Psychology (Counselling Psychology and School/Applied Child Psychology) or Psychology (Clinical Psychology) in Graduate and Postdoctoral Studies.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| EDPC 542 | Leadership and Support Roles of the Teacher. | 3       |
| EDPC 562 | Career as a Lifelong Process.                | 3       |

## Complementary Courses (9 credits)

Choose from the following:

Note: these or other courses may be offered in alternate years.

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDPC 501 | Facilitating Relationships .                     | 3       |
| EDPC 502 | Group Processes and Diversity.                   | 3       |
| EDPC 504 | Communication and Critical Conflict Resolution . | 3       |
| EDPC 505 | Crisis Intervention Processes.                   | 3       |
| EDPC 507 | Advocacy, Outreach and Leadership.               | 3       |
| EDPI 543 | Family, School and Community.                    | 3       |

# Integrated Studies in Education

## 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 M.A. in Teaching and Learning (MATL) leading to teacher certification, Ph.D. in Educational Studies, and graduate certificates. The Department offers the following programs:

### Graduate Certificate programs (15 credits):

- Graduate Certificate in Educational Leadership 1
- Graduate Certificate in Educational Leadership 2
- Graduate Certificate in Educational Leadership 3
- Graduate Certificate in International Leadership in Educational and Administrative Development
- Graduate Certificate in Teaching English as a Second Language
- Graduate Certificate in Teaching Indigenous Education for Non Indigenous Educators

### M.A. Thesis and Non-Thesis programs (45 credits) in the following areas:

- Education and Society
- Educational Leadership
- Second Language Education

### M.A. in Teaching and Learning (M.A.T.L.) degree (60 credits) in the following areas:

- Social Sciences
- English Language Arts
- Science and Technology
- Mathematics
- English or French Second Language

**Note:** The Teaching French as a Second Language program is currently not offered.

The Department also offers a **Ph.D.** in Educational Studies.

## Integrated Studies in Education Admission Requirements and Application Procedures

### Admission Requirements

For specific program admission requirements and further information, please refer to [mcgill.ca/dise/grad](http://mcgill.ca/dise/grad).

### 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 current curriculum vitae;
  - 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).
3. Applicants to the **Ph.D. in Educational Studies** program must submit:
  - a current curriculum vitae;
  - 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.
4. Applicants must submit 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.
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 meet one of the following English proficiency criteria:
  - IELTS with a minimum overall band of 7.0 with a minimum writing score of 7.0; or
  - TOEFL iBT (Internet-based test) – minimum overall band 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.

### For applicants to the **Master of Arts in Teaching and Learning (MATL) (Non-Thesis):**

- IELTS with minimum overall band of 7.0 with a minimum of 7.0 each for the Writing, Speaking, Listening, and Reading sections; or
- TOEFL iBT (Internet-based test) – minimum overall band of 92 with a minimum score of 22 each for the Writing, Speaking, Listening, and Reading sections.

The Department reserves the right to evaluate the applicant's language proficiency before initial registration.

6. Further requirements applicable to specific options:
  - Graduate Certificates in Educational Leadership 1 and 2** – Normally, applicants are required to have 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 provide proof of English language proficiency (detailed on the admission website) or pass a written

and oral English language proficiency test approved by the Department.

**Master of Arts in Second Language Education** – Normally, applicants are required to have a minimum of 36 credits including a combination of relevant courses in education and language studies. Applicants are required to have at least two years of relevant professional experience in education.

**Master of Arts in Educational Leadership** – Normally, applicants are required to have at least two years of relevant leadership experience (teaching or related professional experience).

**Master of Arts in Teaching and Learning (MATL) (Non-Thesis)** – Please see the Departmental website for additional admission requirements. Applicants to the MATL TESL option are required to pass a written and oral English language proficiency test with a French component set by the Department. Applicants are required to have experience in educational settings (formal or informal).

**Master of Arts in Teaching and Learning (MATL) (Non-Thesis) TESL** – Applicants are required to provide proof of English language proficiency (detailed on the admission website) or pass a written and oral English language proficiency test approved by the Department. Functional proficiency in French is also required.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures (p. 53) > Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement
- Research Proposal (for Ph.D. applicants)
- Ph.D. applicants must secure a Thesis Supervisor as part of the application process.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Integrated Studies in Education and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program) or [mcgill.ca/dise/grad](http://mcgill.ca/dise/grad).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Education and Society (Non-Thesis) (M.A.) (45 credits) (p. 257)
- Education and Society (Non-Thesis) (M.A.): Course Work (45 credits) (p. 257)
- Education and Society (Non-Thesis) (M.A.): Course Work Math & Science Education (45 credits) (p. 258)
- Education and Society (Non-Thesis) (M.A.): Gender and Women's Studies (45 credits) (p. 259)
- Education and Society (Non-Thesis) (M.A.): Jewish Education (45 credits) (p. 260)
- Education and Society (Non-Thesis) (M.A.): Project Math & Science Education (45 credits) (p. 260)
- Education and Society (Thesis) (M.A.) (45 credits) (p. 255)
- Education and Society (Thesis) (M.A.): Gender and Women's Studies (45 credits) (p. 256)
- Education and Society (Thesis) (M.A.): Mathematics and Science Education (45 credits) (p. 256)
- Educational Leadership (Non-Thesis) (M.A.): Course Work (45 credits) (p. 262)
- Educational Leadership (Non-Thesis) (M.A.): Gender and Women's Studies (45 credits) (p. 264)
- Educational Leadership (Non-Thesis) (M.A.): Project (45 credits) (p. 263)
- Educational Leadership (Thesis) (M.A.) (45 credits) (p. 261)
- Educational Leadership (Thesis) (M.A.): Gender and Women's Studies (45 credits) (p. 261)
- Educational Leadership 1 (Gr. Cert.) (15 credits) (p. 274)
- Educational Leadership 2 (Gr. Cert.) (15 credits) (p. 274)
- Educational Leadership 3 (Gr. Cert.) (15 credits) (p. 275)
- Educational Studies (Ph.D.) (p. 271)
- Educational Studies (Ph.D.): Gender and Women's Studies (p. 272)
- Educational Studies (Ph.D.): Language Acquisition (p. 272)
- Educational Studies (Ph.D.): Mathematics and Science Education (p. 273)
- Graduate Diploma Teaching and Learning Social Sciences (Grad.Dip.)
- Integrated Studies in Education (p. 248)
- International Leadership in Educational and Administrative Development (Gr. Cert.) (15 credits) (p. 275)
- Pédagogie de l'immersion française (Cert.ed.sup.) (15 credits)
- Second Language Education (M.A.): Coursework (Non-Thesis) (45 credits) (p. 266)
- Second Language Education (Non-Thesis) (M.A.): Project (45 credits) (p. 267)
- Second Language Education (Thesis) (M.A.) (45 credits) (p. 265)
- Second Language Education (Thesis) (M.A.): Gender and Women's Studies (45 credits) (p. 265)
- Teaching and Learning (Non-Thesis) (M.A.): English Language Arts Option (60 credits) (p. 268)
- Teaching and Learning (Non-Thesis) (M.A.): English or French Second Language (60 credits) (p. 268)
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- Teaching and Learning (Non-Thesis) (M.A.): Science and Technology Option (60 credits) (p. 271)
- Teaching and Learning (Non-Thesis) (M.A.): Social Sciences Option (60 credits) (p. 270)
- Teaching English as a Second Language (Gr. Cert.) (15 credits) (p. 276)
- Teaching Indigenous Education for Non Indigenous Educators (Gr. Cert.) (15 credits) (p. 276)

## Program Overview

### Master of Arts in Education and Society

The M.A. in Education and Society consists of a thesis or non-thesis program. The program focuses on two main fields of study—Culture and Values in Education and Teaching, Learning, and Curriculum—reflecting 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 focus emphasizes current perspectives on pedagogy and curriculum, teacher education, in-and-out-of-school learning, practitioner research, and classroom practice. 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 on to doctoral programs or work in education and non-profit settings. Many in-service teachers take this program for professional development.

#### Master of Arts (M.A.) Education and Society (Thesis)

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 course work.

#### Master of Arts (M.A.) Education and Society (Thesis): 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 credits of approved course work 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.

#### Master of Arts (M.A.) Education and Society (Thesis): Mathematics and Science Education

This M.A. concentration emphasizes research in mathematics and science education, including a specific focus on teacher education in the area of math and science. Graduates will gain sufficient research experience to conduct empirical research in math and science education and sufficient teacher education experience to assume roles as teacher educators in university or other settings. The program includes targeted opportunities for candidates to develop skills, knowledge, and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas.

## Master of Arts in Educational Leadership

The M.A. in Educational Leadership consists of a 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 fulfil Quebec Ministry requirements for school leadership and find positions as school leaders, as well as opportunities in other managerial settings.

#### Master of Arts (M.A.) Educational Leadership (Thesis)

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 course work.

#### Master of Arts (M.A.) Educational Leadership (Thesis): 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 credits of approved course work 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.

## Master of Arts in Second Language Education

The M.A. in Second Language Education consists of a 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 a 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.

From a range of pedagogical, linguistic, cognitive, political, and sociocultural perspectives, this program combines theoretical and applied studies of how second and foreign languages are learned and used.

#### Master of Arts (M.A.) Second Language Education (Thesis): 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 credits of



approved course work 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.

## 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 Quebec Ministry of Education-identified teachable subject area (Mathematics, Science & Technology, Social Sciences, English, TESL, TFSL). This degree program comprises course work coupled with an internship. Throughout the MATL, emphasis will be on the attainment of the QEP professional competencies, and evidence of mastery of these competencies must be demonstrated for students to successfully complete the program. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

## Graduate Student Teaching / M.A. in Teaching and Learning Internship

The Internships & Student Affairs Office (ISA) in the Faculty of Education is responsible for the placement and evaluation of all MATL student teachers registered in the internship courses (EDIN course code).

### Internships

#### MATL Internships:

- are required courses compliant with Ministry's requirements and in accordance with the University-School Board agreements;
- are organized and evaluated by the Faculty of Education's Internships & Student Affairs Office (ISA); student teachers are not permitted to contact potential host schools to obtain a placement (unless on paid contract; see below); however, student teachers are permitted to submit preferences and requests to ISA, which are taken into account and subject to ISA policies and host school availability;
- are completed with an eligible Cooperating Teacher(s) as mentor(s), unless a student teacher has received ISA approval to use a paid teaching contract at an eligible host school to satisfy the internship requirements (see Placement Options below);
- for all programs except MATL-TESL: must be completed at the Secondary level within a public or private English school in the greater Montreal region, and may exceptionally be completed in a French setting, with ISA's authorization;
- for MATL- TESL program: must be completed in French public or private schools and will typically include one internship at the Elementary level and one at the Secondary level;
- student teachers may only be placed in a private school setting for one of the two required internships;
- may exceptionally be completed in an adult education setting (Internship 2 only);
- require that students follow registration and placement request procedures as stipulated by the ISA. Students who do not follow procedures may not be assigned to a host school in a given term;

- may begin or end before or after the first/last day of lectures, and may continue during regularly scheduled University breaks;
- are not remunerated for student teachers placed with a Cooperating Teacher(s);
- require that student teachers be present in the host school on a full-time basis for the specified duration of the internship (refer to dates on the [mcgill.ca/isa/teaching/contacts-dates](http://mcgill.ca/isa/teaching/contacts-dates)); start and/or end dates may vary for students on a paid contract;
- require that student teachers budget time and money for travel to and from their assigned host school;
- may not be completed in a host school where a student teacher has a family member working or attending;
- have a corequisite Professional Seminar component (see Minerva for dates and times).

## Registration

### Students:

- normally take Internship 1 in the first Winter term of the program; students who do not plan on taking Internship 1 in the first Winter term of the program must meet with the MATL Program Coordinator to develop an amended program trajectory as soon as possible;
- must be in Satisfactory Standing and have met all prerequisite and corequisite course requirements;
- registered for the internship course will receive permission to access the online Student Teaching Placement Form at their official [mail.mcgill.ca](mailto:mail.mcgill.ca) email address; the Placement Form must be completed by the date indicated in the email for preferences to be registered;
- should consult their MATL Program [Administrator](#) or ISA Placement Coordinator for further assistance, if required.

**Note:** Minerva does not always prevent students from registering for courses which they should not take. It is each student's responsibility to be aware of prerequisites, corequisites, restrictions, and Faculty regulations.

## Placement Options

### Cooperating Teacher

Student teachers without an approved paid teaching contract will be placed by an ISA Placement Coordinator in the classroom of an eligible Cooperating Teacher(s) and must follow the host school's schedule on a full-time basis. Student teachers in this situation must not contact potential host schools nor cooperating teachers for placements.

### Contract

Student teachers who have secured a paid teaching contract in the appropriate internship term may request to have this contract reviewed by the ISA to see if it will fulfill the internship requirements relative to number of hours, context, subject area, etc.

Please note, student teachers who have already been placed with a Cooperating Teacher for their internship and subsequently wish to accept a contract either before or during the internship must register a request with the ISA; approval is at the discretion of the ISA Director.

Students who wish to have a contract evaluated must:

- get approval from the ISA Office;
- have the Administrator of their school sign ISA's "Letter of Agreement Pertaining to Paid Contracts for Internships Taken as

Part of McGill University's Master of Arts in Teaching and Learning (MATL)" prior to the start of their contract/internship, and confirm that they will assign/provide a qualified internal employee to serve as an evaluator and follow ISA's proposed evaluation schedule;

- consult the MATL guidelines to determine if the contract may be eligible to meet internship requirements;
- ensure that the contract meets the teaching hours requirements for the internship in questions;
- ensure that the teaching hours must be in the appropriate teachable subject area; [mcgill.ca/isa/teaching/placements/matl-contract#valid](http://mcgill.ca/isa/teaching/placements/matl-contract#valid);
- complete the full number of required hours—per internship guidelines—which may necessitate an extension of the internship dates;
- submit a copy of the contract. If an official contract is only issued after a certain probationary period, a detailed letter from the School Administrator/HR may be accepted until such time as the student receives their formal contract confirming the teaching schedule and conditions to the ISA; any further modification of an approved contract must be approved by the ISA.

## Internship Guidelines (Syllabus)

Detailed internship guidelines and copies of evaluation forms for each internship are posted on the ISA website. Students are responsible for familiarizing themselves with the internship objectives, evaluation criteria, and forms prior to the start of each internship.

## Student Responsibilities

Students are responsible for familiarizing themselves with the policies and rules governing all aspects of internship, including pedagogical and professional behaviour (available at [mcgill.ca/isa](http://mcgill.ca/isa)) prior to the start of the internship.

Students are strongly discouraged from engaging in any type of employment during the course of the internship (with the exception of a teaching contract used to fulfill the internship requirements) nor register for any additional/non-required course(s) which may interfere with the successful outcome of the internship; accommodations will not be granted for students with employment responsibilities.

ISA relies on the goodwill of Cooperating Teachers and School Administrators to arrange placements. To that end, the ISA strives to maintain professional relationships established over time with partner schools. Student teachers in the MATL program are advised to be aware of the commitment, including time commitment with the internship and co-requisite courses, they are making to their chosen career when beginning the internship. All decisions and actions should reflect the ethics of the teaching profession and the highest standards of professionalism.

## Attendance and Absences

Punctual attendance is required at the host school for the duration of the internship (per the host school's full-day schedule and not that of the Cooperating Teacher's). Unexcused absences from the internship and/or corequisite courses, including Professional Seminar, may result in exclusion from the corequisite course or removal from/failure in the internship.

Excused absences include:

- *Illness*: Student teachers may be absent for up to two days without having to make them up
- *McGill Exam*: Student teachers with a scheduled McGill exam may be absent from the host school on the appointed day; this provision does not cover non-McGill exams;
- *Religious Observation*: Student teachers are permitted to be absent for religious observances, as outlined in McGill's Policy on Religious Observances;
- *McGill Varsity Sporting Event(s)*: Student teachers are permitted to participate in a sporting event as a member of a McGill varsity team; student teachers must provide the ISA with supporting documentation from McGill Athletics & Recreation.

Days missed due to excused absence exceeding two days must be made up, generally, at the end of the internship.

In the case of a **foreseeable absence** (e.g., religious observation, varsity sporting event, etc.), student teachers must advise the below noted parties before the start of the internship or, if the internship has already commenced, **at least two weeks in advance**. In the case of an **unforeseeable absence** (e.g., illness), student teachers must advise the below noted parties as soon as possible:

- Host School Administrative Office
- Co-operating Teacher(s)
- McGill Field Supervisor
- McGill ISA Placement Coordinator

Any absences of 5 or more days will require a valid medical note be submitted to ISA, at which point the outcome of the placement will be evaluated by the ISA Director on a case-by-case basis.

For student teachers on a paid contract, in case of a conflict between the University's attendance policies and that of the host school, please contact the ISA.

## Judicial Record Verification

Quebec's Education Act, section 261.0.2, grants school boards the right to verify the judicial record of any person regularly in contact with minor students, and this includes student teachers. Each school board or private school may have its own administrative procedures for verification. Students are responsible for complying with any request for judicial record verification. Any student unable to obtain the required security clearance will not be permitted to undertake their internship(s) and, consequently, will be withdrawn from the MATL program as the internships are a mandatory requirement. Additional information about the judicial record verification process can be found on the [mcgill.ca/isa/teaching/placements](http://mcgill.ca/isa/teaching/placements).

## Work Permit for International Students

In order to be in compliance with government regulations, international students (students who are not Permanent Residents or citizens of Canada) should hold a valid Internship/Co-op Work Permit issued by Citizenship and Immigration Canada (CIC) to complete their internships. This permit is independent from the paid off-campus work permit which is included as part of the study permit and requires a separate application. For detailed instructions and assistance with the application, students should contact [mcgill.ca/internationalstudents](http://mcgill.ca/internationalstudents).

## Grading and Credit

Internships are graded according to the graduate grading scale (Grading and Grade Point Averages (GPA) (p. 23)).

- EDIN courses will be shown on students' transcripts as a Pass or Fail (P or F) grade mode. Students receive a final grade for the internship course based on the recommendations of the CT(s) and Field Supervisor provided on the Summative Assessment;
- Students must pass both the Internship 1 (EDIN 610 Internship 1.) and the Professional Seminar 1 course (EDPS 610 Professional Seminar 1.) in order to proceed to Internship 2 (EDIN 620 Internship 2.) and the Professional Seminar 2 course (EDPS 620 Professional Seminar 2.).

The Failure Policy (p. 37) applies. Where a student is experiencing serious pedagogical or professional difficulties in an internship, the ISA Director will review the case, including formal evaluations as well as written reports from the field, to render one of the following decisions:

- If the student has demonstrated potential to successfully reach the required standards of the internship, a grade of "F" may be assigned for the EDIN course with permission to repeat an internship during the next term in which it is offered. Per the Graduate Studies policy, a subsequent Failure (F, J, KF, WF) in an internship or any other course, or an unsatisfactory Progress Tracking Report, will require withdrawal from the MATL [program](#). Note: if the student has already obtained one "F", the standard failure policy applies;
- Assign a grade of "F" for the EDIN course and submit a request to Graduate & Postdoctoral Studies, asking that the student be withdrawn from the MATL program immediately (with relevant supporting documentation).

A MATL student may appeal any final outcome of an internship course (EDIN) within 30 days of the posted grade by making a written application to the Faculty of Education – Student Affairs Committee (SAC) ([isa.education@mcgill.ca](mailto:isa.education@mcgill.ca)). If the outcome of the SAC, once concluded, is not accepted by the student, a formal application may be made to the Associate Dean of Graduate and Postdoctoral Studies for Education.

### Withdrawal from Internship

- A request for withdrawal (with refund) from the internship course (EDIN) for any reason must be done at least two weeks before the start of the internship; the student teacher is responsible for registering this request with the ISA in writing by this deadline;
- Students wishing to withdraw for any other reason, including illness, personal reasons, etc., from an internship course (EDIN) less than two weeks before its start or after it is underway must register their request in writing to the ISA; based on the circumstances surrounding the request, the ISA Director will determine the final outcome of the internship. Students then can submit their request to Graduate and Postdoctoral Studies to determine their eligibility for withdrawal and refund.

### Early Dismissal from an Internship

At any time, student teachers may be removed from their internship placement at the request of the host school Administrator and/or Cooperating Teacher, or at the request of the ISA Director. If you are removed from an internship placement, you will be informed of the reason for the early dismissal. The ISA Office will compile the relevant documentation and information pertaining to the early dismissal before the ISA Director determines the outcome of the internship.

Circumstances that could lead to early dismissal include, but are not limited to:

- Prerequisite courses not successfully completed;
- Exceeding the number of permissible unexcused absences for corequisite courses (consult the syllabus for each course);
- Failure to pass a judicial record check, if required by the school or school board where the student is placed;
- Unprofessional behaviour or behaviour that contravenes the McGill Principles of Practice, Behaviour and Ethical Conduct for Teacher Candidates;
- Failure to make the improvements [including those](#) outlined on a Competency Improvement Plan (CIP) by the date indicated.

In these cases, the final outcome for of the internship course (EDIN) will be determined by the ISA Director.

Possible outcomes include:

- Reassignment during the same term, subject to availability of [placements and the time of dismissal](#);
- W – Withdrawal (with or without refund, at the discretion of Graduate & Postdoctoral Studies);
- F – At the discretion of the ISA Director, the student may be permitted to register for the internship again during the next regularly scheduled term;
- F – At the discretion of the ISA Director, with a request to Graduate & Postdoctoral Studies, asking for immediate removal (with relevant supporting documentation).

## McGill Principles of Practice, Behaviour and Ethical Conduct for Teacher Candidates

### Introduction

The mission of McGill University's Bachelor of Education Program within the Department of Integrated Studies in Education (DISE) and the Department of Kinesiology and Physical Education (KPE) as well as the Master of Teaching and Learning (MATL) Program within DISE in cooperation with the Faculty of Education's Internship and Student Affairs Office (ISA) is to prepare teachers who are knowledgeable, skillful, flexible, creative, and compassionate members of the profession guided by a sense of social and ethical responsibility in relation to their students and the wider society. In keeping with the professional culture of teaching and learning, McGill's teacher education community believes that teaching and learning spaces should model such professional environments. McGill's teacher education community is committed to creating authentic opportunities where an understanding of teaching and learning is co-constructed between instructors and teacher candidates, teachers, and learners, as well as peer-to-peer and beyond. In order for us to create these learning environments, we are expected to demonstrate awareness of, respect for, and commitment to, the behaviours and actions of professionals. We expect members of McGill's teacher education community, including teacher candidates, teaching assistants, lecturers, professors and community partners to be accountable to themselves and others, and to be engaged, collegial, and accessible. By doing so, McGill's teacher education community is more fully able to share together in the types of critical dialogue, creative thinking, and reflective practice expected of professionals. McGill's teacher education community is committed to nurturing a space where teacher candidates, teaching assistants, lecturers,

professors, and community partners can all engage in the exchange of ideas and dialogue, without fear of being made to feel unwelcome or unsafe on account of biological sex, sexual orientation, gender identity or expression, race/ethnicity, religion, linguistic and cultural background, age, physical or mental ability, or any other aspect integral to one's personhood. We therefore recognise that it is our individual and collective responsibility, to strive to establish and maintain an environment wherein all interactions are based on empathy and mutual respect for the person, acknowledging differences of perspectives, free from judgment, censure, and/or stigma. Finally, McGill's teacher education community is charged with ensuring that all graduates of its programs have the requisite knowledge, skills, and attitudes required of the teaching profession and can meet standards of the Québec Professional Teacher Competencies to be eligible for professional certification as educators in the Province of Québec.

## Goals and Rationale

The role of the teacher and the contexts of teaching have changed. Thus, new resources (knowledge, skills, attitudes) are required to practice the profession and meet the challenges of teaching and learning in whatever contexts teacher candidates may find themselves, and to engage in professional development individually and with others. Teachers enjoy, and should continue to enjoy, important freedoms and privileges. However, with certain freedoms come responsibilities and ethical challenges. Building on the past work of two Standing Committees of the Faculty of Education intent on promoting appropriate ethical and professional conduct, the following revision, renamed as the McGill Principles of Practice, Behaviour and Ethical Conduct for Teacher Candidates seeks to respond to, and address, the following needs:

1. Address the interdependent duties, rights and responsibilities of teacher candidates, teaching assistants, lecturers, professors, field supervisors and community partners.
2. Articulate and make explicit ethical principles that transcend disciplinary boundaries. These principles reflect the fundamental values that are expressed in the duties, rights and responsibilities of all involved in Teacher Education.
3. Support the reasonable implementation of common principles. It is designed to help those involved in Teacher Education, as a matter of sound ethical reasoning, to understand and respect the contexts in which they work and accommodate the needs of others.
4. Encourage continued reflection and thoughtful response to ethical issues. It does not seek definitive answers to all ethical questions or situations. Rather, in an effort towards transparency, collaboration and capacity building, it seeks to outline the guiding principles to ethical conduct and the expectation associated with those principles.
5. **Please refer to the full document at this link [mcgill.ca/isa/student/principles](http://mcgill.ca/isa/student/principles).**
6. **Student teaching policies can be found at [mcgill.ca/isa/teaching/ehandbook/policy](http://mcgill.ca/isa/teaching/ehandbook/policy).**

## Master of Arts in Teaching and Learning – Regulations and Programs

### Time Commitment

The M.A. in Teaching and Learning program is designed such that the program may be completed in five or six consecutive terms. In all cases,

the program begins with mandatory courses in the Summer term. It is important to note the following:

- Internship placements are completed full-time in an elementary or secondary (depending on the program) school in Quebec. See Graduate Student Teaching / M.A. in Teaching and Learning Internship.
- Summer terms are mandatory in the MATL program. Consult the program overview by term on the Department website.

Students should consult a Program Coordinator and program overviews for details. Full-time/part-time status may also affect financial aid arrangements; contact the Scholarships and Student (Financial) Aid Office for more information. See Categories of Students (p. 12) for information about full-time and part-time study.

## English Language Requirement

The Quebec Ministry of Education requires that all students in teacher education programs demonstrate their proficiency in the language of instruction. To fulfil this obligation, M.A. in Teaching and Learning students are required to write the English Examination for Teacher Certification (EETC) in May of the first Summer term of the program. Students must pass the examination in the first Summer term and prior to Internship 1. Students who do not pass the EETC must meet with the Program Coordinator to determine an individual program trajectory. Note, failure of the EETC may compromise a student's ability to maintain full-time status.

The examination is coordinated by an independent body, the Centre for English Exam for Teacher [Certification \(CEETC\)](http://www.ceetc.ca). Information is available on the CEETC website. McGill assists with the administration and scheduling of the examination. To write this examination, students must first register on Minerva for a section of EDTL 515 English Exam for Teacher Certification. in the Summer term, then register with the Centre at [www.ceetc.ca](http://www.ceetc.ca) and pay a fee before writing the test.

Students who do not pass both sections of the examination the first time are expected to meet with their Program Coordinator to plan a course of action for English language proficiency improvement. Students are required to take the EETC again, and must successfully complete the section that was not passed. A fee is charged each time the examination is written. Students who have not completed both sections of the examination on their fourth attempt are required to withdraw from the program, and must consult with a Program Coordinator about readmission procedures.

## Course-Stream or Independent Research Stream

Students in the MATL program choose between a course-based stream (consisting of required courses and internships, and elective courses) and an independent research stream (consisting of required courses and internships, a research methods course and a project course). Students must select their stream at the beginning of their MATL program.

## Portfolio

All students in the M.A. Teaching and Learning ([MATL](http://mcgill.ca/matl)) program are expected to complete a professional e-portfolio upon completion of their program. Support for e-portfolio development is provided in the professional seminars that are corequisite to each Internship.



Guidelines and resources for e-portfolios are posted at [mcgill.ca/dise/grad](http://mcgill.ca/dise/grad).

## Progress Tracking Report

Students in the M.A. Teaching and Learning ([MATL](#)) program will engage in graduate progress tracking using the reporting forms and timelines established by the department specific to the MATL program.

## 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 course work 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.

### 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:

1. the broad context of culture and society;
2. the international, national, and local contexts of educational leadership and policy studies; and
3. 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 course work and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members.

### 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 course work 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

### Graduate Certificate (Gr. Cert.) International Leadership in Educational and Administrative Development

This program targets leaders, consultants, senior management and administrators, and policy makers from a range of educational institutions (universities, colleges, private schools) and organizations (hospitals, community, governmental), as well as the corporate sector. The goal is to provide world-class professional learning experience in educational leadership. The majority of the courses will

be delivered online, in combination with a two- to three-week intensive McGill Campus component during the summer months. The online component of the certificate will facilitate full-time working schedules and provide greater flexibility in different international time zones. Lectures will be pre-recorded so students may view them to suit their own schedules. Students will have the capacity to communicate, discuss, and ask questions to one another and with the course lecturer through the online communication platform.

Please note that the fee schedule for this program is different from standard graduate programs. For information, please contact program coordinator Andrea Nguyen at [gcel.education@mcgill.ca](mailto:gcel.education@mcgill.ca) or Program Director Dr. Joseph Levitan at [joseph.levitan@mcgill.ca](mailto:joseph.levitan@mcgill.ca).

## Location

Department of Integrated Studies in Education  
Education Building, Room 244  
3700 McTavish St.  
Montréal, QC H3A 1Y2

Telephone: 514-398-2941

Website: [mcgill.ca/education/about-us/departement-integrated-studies-education-dise](http://mcgill.ca/education/about-us/departement-integrated-studies-education-dise)

## Program Information and Advising

Graduate Programs (M.A., M.A.T.L., Ph.D., and Graduate Certificate)  
Education Building, Room 244

Telephones and email contact:

M.A. and Ph.D.: 514-398-1459

Email: [grad.dise@mcgill.ca](mailto:grad.dise@mcgill.ca)

M.A.T.L.: 514-398-4823

Email: [matl.education@mcgill.ca](mailto:matl.education@mcgill.ca)

Graduate Certificate: 514-398-2941

Email: [cert.dise@mcgill.ca](mailto:cert.dise@mcgill.ca)

The administrative office is open Monday to Friday from 9:30 a.m. to 4:00 p.m.

## Education and Society (Thesis) (M.A.) (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title     | Credits |
|----------|-----------|---------|
| EDEM 621 | Thesis 1. | 6       |
| EDEM 623 | Thesis 2. | 6       |
| EDEM 699 | Thesis 3. | 12      |

## Required Courses (6 credits)

Expand allContract all



| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                    | 3       |

### Elective Courses (15 credits)

15 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.

## Education and Society (Thesis) (M.A.): Gender and Women's Studies (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)  
**Degree:** Master of Arts  
**Program credit weight:** 45

### Thesis Courses (24 credits)

| Expand all | Contract all |         |
|------------|--------------|---------|
| Course     | Title        | Credits |
| EDEM 621   | Thesis 1.    | 6       |
| EDEM 623   | Thesis 2.    | 6       |
| EDEM 699   | Thesis 3.    | 12      |

### Required Courses (9 credits)

| Expand all | Contract all                                              |         |
|------------|-----------------------------------------------------------|---------|
| Course     | Title                                                     | Credits |
| EDEM 609   | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 690   | Research Methods: Theory and Practice.                    | 3       |
| WMST 601   | Feminist Theories and Methods.                            | 3       |

### Complementary Courses (3 credits)

3 credits chosen from the following, must be either:

| Expand all | Contract all                 |         |
|------------|------------------------------|---------|
| Course     | Title                        | Credits |
| WMST 602   | Feminist Research Symposium. | 3       |

or one 3-credit course, at the 500, 600, or 700 level on gender/ women's issues, chosen in consultation with the Thesis Supervisor or Graduate Program Director.

### Elective Courses (9 credits)

9 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.

## Education and Society (Thesis) (M.A.): Mathematics and Science Education (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)  
**Degree:** Master of Arts  
**Program credit weight:** 45

### Thesis Courses (24 credits)

| Expand all | Contract all |         |
|------------|--------------|---------|
| Course     | Title        | Credits |
| EDEM 621   | Thesis 1.    | 6       |
| EDEM 623   | Thesis 2.    | 6       |
| EDEM 699   | Thesis 3.    | 12      |

### Required Courses (12 credits)

| Expand all | Contract all                                           |         |
|------------|--------------------------------------------------------|---------|
| Course     | Title                                                  | Credits |
| EDEC 624   | Researching, Teaching, Learning and Teacher Education. | 3       |
| EDEC 625   | MA Seminar in Practice-Based Teacher Education 1.      | 3       |
| EDEC 626   | MA Seminar in Math and Science Education 2.            | 3       |
| EDEM 690   | Research Methods: Theory and Practice.                 | 3       |

### Complementary Courses (6 credits)

3 credits of graduate-level courses from the following:

| Expand all | Contract all                                               |         |
|------------|------------------------------------------------------------|---------|
| Course     | Title                                                      | Credits |
| EDEC 646   | Sociocultural and Epistemic Understandings of Science.     | 3       |
| EDEC 647   | Sociocultural and Epistemic Understandings of Mathematics. | 3       |

3 credits of courses, from the following:

| Expand all | Contract all                                                 |         |
|------------|--------------------------------------------------------------|---------|
| Course     | Title                                                        | Credits |
| EDEC 606   | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 630   | Ethnographic Approaches to Research .                        | 3       |
| EDEC 635   | Research Writing.                                            | 3       |
| EDEM 609   | Critical Perspectives in Educational Theory and Research.    | 3       |
| EDEM 644   | Curriculum Development and Implementation.                   | 3       |
| EDEM 692   | Qualitative Research Methods.                                | 3       |
| EDER 608   | Educational Implications of Social Theory.                   | 3       |
| EDPE 635   | Theories of Learning and Instruction.                        | 3       |

|          |                                                           |   |
|----------|-----------------------------------------------------------|---|
| EDPE 676 | Intermediate Statistics.                                  | 3 |
| EDPE 687 | Qualitative Methods in Educational Psychology.            | 3 |
| EDTL 500 | Applications of Educational Psychology Across Classrooms. | 3 |
| EDTL 508 | Critical Educational Praxis.                              | 3 |

## Elective Course (3 credits)

3 credits at the 500, 600, or 700 level chosen in consultation with the Thesis Supervisor or Graduate Program Director.

## Education and Society (Non-Thesis) (M.A.) (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. non-thesis option consists mostly of coursework, and includes two 6 credit projects. This option is suitable for practitioners interested in professional development with a research and theoretical orientation. The project creates an opportunity for students to investigate a particular interest.

## Research Project (12 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDER 633 | Project 1. | 6       |
| EDER 634 | Project 2. | 6       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                    | 3       |

## Complementary Courses (15 credits)

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEA 555 | Applied Theatre.                                             | 3       |
| EDEA 655 | Arts-Based Educational Research.                             | 3       |
| EDEC 520 | Meanings of Literacy.                                        | 3       |
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 617 | Special Topics in Educational Studies.                       | 3       |
| EDEC 627 | Critical Discourse Studies in Education.                     | 3       |
| EDEC 628 | Literacy - Multilingual/Multicultural Settings.              | 3       |

|          |                                               |   |
|----------|-----------------------------------------------|---|
| EDEC 635 | Research Writing.                             | 3 |
| EDEC 650 | Critical Race Studies and Education .         | 3 |
| EDEM 655 | Indigenous Research Methodologies.            | 3 |
| EDEM 501 | Global Higher Education                       | 3 |
| EDEM 679 | Special Topics 3 in Educational Leadership.   | 3 |
| EDEM 688 | Critical and Participatory Research Methods . | 3 |
| EDER 600 | Globalization, Education and Change.          | 3 |
| EDER 606 | Philosophy of Moral Education.                | 3 |
| EDER 607 | Ethics and Values in Education.               | 3 |
| EDER 608 | Educational Implications of Social Theory.    | 3 |
| EDER 609 | Education and Philosophical Thought.          | 3 |
| EDER 614 | Sociology of Education.                       | 3 |
| EDER 615 | Introduction to Philosophy of Education.      | 3 |
| EDER 617 | Aesthetics and Education.                     | 3 |
| EDER 622 | Studies in Comparative Education.             | 3 |
| EDER 625 | Special Topics in Educational Studies.        | 3 |
| EDER 626 | Theory and Praxis of Culture and Citizenship. | 3 |
| EDER 643 | Women, Education and Development.             | 3 |
| EDER 649 | Education: Multicultural Societies.           | 3 |

## Elective Courses (12 credits)

12 credits at the 500 level or higher. An elective course can be any course in DISE. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 6 credits outside DISE is permitted.

## Education and Society (Non-Thesis) (M.A.): Course Work (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Education and Society; Non-Thesis-Course Work program consists exclusively of course work. This option is less research-oriented than the thesis and non-thesis project options and is suitable for practitioners interested in professional development with a theoretical orientation.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDER 600 | Globalization, Education and Change.                      | 3       |
| EDER 609 | Education and Philosophical Thought.                      | 3       |

## Complementary Courses (21 credits)

21 credits from the following:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 617 | Special Topics in Educational Studies.                       | 3       |
| EDEC 620 |                                                              | 3       |
| EDEC 627 | Critical Discourse Studies in Education.                     | 3       |
| EDEC 628 | Literacy - Multilingual/Multicultural Settings.              | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDEC 650 | Critical Race Studies and Education .                        | 3       |
| EDEM 644 | Curriculum Development and Implementation.                   | 3       |
| EDEM 655 | Indigenous Research Methodologies.                           | 3       |
| EDEM 660 | Community Relations in Education.                            | 3       |
| EDEM 676 | Organizing Non-Formal Learning.                              | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                       | 3       |
| EDER 606 | Philosophy of Moral Education.                               | 3       |
| EDER 607 | Ethics and Values in Education.                              | 3       |
| EDER 608 | Educational Implications of Social Theory.                   | 3       |
| EDER 614 | Sociology of Education.                                      | 3       |
| EDER 615 | Introduction to Philosophy of Education.                     | 3       |
| EDER 617 | Aesthetics and Education.                                    | 3       |
| EDER 622 | Studies in Comparative Education.                            | 3       |
| EDER 625 | Special Topics in Educational Studies.                       | 3       |
| EDER 626 | Theory and Praxis of Culture and Citizenship.                | 3       |
| EDER 643 | Women, Education and Development.                            | 3       |
| EDER 649 | Education: Multicultural Societies.                          | 3       |

## Elective Courses (15 credits)

15 credits at the 500 level or higher. An elective course can be any course in DISE. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 6 credits, at the 500 level or higher, may be taken outside of the Department, selected in consultation with the approval of Program Coordinator or Director, and Department Chair.

## Education and Society (Non-Thesis) (M.A.): Course Work Math & Science Education (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Education and Society; Non-Thesis-Course Work - Mathematics and Science Education program emphasizes a pedagogical understanding of mathematics and science education, including a specific focus on teacher education in the areas of mathematics and science. The program will include targeted opportunities for candidates to develop skills, knowledge and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas. It will produce graduates who view improving mathematics and science education from a teaching and learning perspective, have developed understanding of research in mathematics and science education, and sufficient teacher education experience to assume roles as educational leaders in informal and formal settings.

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEC 624 | Researching, Teaching, Learning and Teacher Education.    | 3       |
| EDEC 625 | MA Seminar in Practice-Based Teacher Education 1.         | 3       |
| EDEC 626 | MA Seminar in Math and Science Education 2.               | 3       |
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |

## Complementary Courses (18 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| EDEC 646 | Sociocultural and Epistemic Understandings of Science.     | 3       |
| EDEC 647 | Sociocultural and Epistemic Understandings of Mathematics. | 3       |

15 credits from the following:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 627 | Critical Discourse Studies in Education.                     | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDEM 644 | Curriculum Development and Implementation.                   | 3       |
| EDEM 660 | Community Relations in Education.                            | 3       |
| EDEM 676 | Organizing Non-Formal Learning.                              | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                       | 3       |
| EDER 600 | Globalization, Education and Change.                         | 3       |

|          |                                                           |   |
|----------|-----------------------------------------------------------|---|
| EDER 606 | Philosophy of Moral Education.                            | 3 |
| EDER 607 | Ethics and Values in Education.                           | 3 |
| EDER 608 | Educational Implications of Social Theory.                | 3 |
| EDER 609 | Education and Philosophical Thought.                      | 3 |
| EDER 614 | Sociology of Education.                                   | 3 |
| EDER 615 | Introduction to Philosophy of Education.                  | 3 |
| EDER 617 | Aesthetics and Education.                                 | 3 |
| EDER 622 | Studies in Comparative Education.                         | 3 |
| EDER 625 | Special Topics in Educational Studies.                    | 3 |
| EDER 626 | Theory and Praxis of Culture and Citizenship.             | 3 |
| EDER 643 | Women, Education and Development.                         | 3 |
| EDER 649 | Education: Multicultural Societies.                       | 3 |
| EDPE 635 | Theories of Learning and Instruction.                     | 3 |
| EDPE 676 | Intermediate Statistics.                                  | 3 |
| EDTL 500 | Applications of Educational Psychology Across Classrooms. | 3 |
| EDTL 508 | Critical Educational Praxis.                              | 3 |

## Elective Courses (15 credits)

15 credits at the 500 level or higher. An elective course can be any course in the Department. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 9 credits, at the 500 level or higher, may be taken outside of the Department.

## Education and Society (Non-Thesis) (M.A.): Gender and Women's Studies (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. non-thesis project option - Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit and wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The non-thesis project option consists mainly of coursework, and includes two 6 credit projects. This option is suitable for practitioners interested in professional development with a research and theoretical orientation. The project must be on a topic centrally relating to issues of gender and/or women's studies.

## Research Project (12 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDER 633 | Project 1. | 6       |
| EDER 634 | Project 2. | 6       |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                    | 3       |
| WMST 601 | Feminist Theories and Methods.                            | 3       |

## Complementary Courses (15 credits)

12 credits from the following:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 617 | Special Topics in Educational Studies.                       | 3       |
| EDEC 620 |                                                              | 3       |
| EDEC 628 | Literacy - Multilingual/Multicultural Settings.              | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDER 606 | Philosophy of Moral Education.                               | 3       |
| EDER 607 | Ethics and Values in Education.                              | 3       |
| EDER 608 | Educational Implications of Social Theory.                   | 3       |
| EDER 609 | Education and Philosophical Thought.                         | 3       |
| EDER 614 | Sociology of Education.                                      | 3       |
| EDER 615 | Introduction to Philosophy of Education.                     | 3       |
| EDER 617 | Aesthetics and Education.                                    | 3       |
| EDER 622 | Studies in Comparative Education.                            | 3       |
| EDER 625 | Special Topics in Educational Studies.                       | 3       |
| EDER 626 | Theory and Praxis of Culture and Citizenship.                | 3       |
| EDER 643 | Women, Education and Development.                            | 3       |
| EDER 649 | Education: Multicultural Societies.                          | 3       |

3 credits chosen from the following, must be either:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

or one 3-credit course, at the 500 level or higher, on gender/women's issues.

## Elective Courses (9 credits)

9 credits at the 500 level or higher. An elective course can be any course in DISE. If the course is outside the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 9 credits outside of DISE is permitted.

## Education and Society (Non-Thesis) (M.A.): Jewish Education (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

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)

Expand allContract all

| Course     | Title       | Credits |
|------------|-------------|---------|
| EDER 610D1 | Internship. | 7.5     |
| EDER 610D2 | Internship. | 7.5     |

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDER 520 | Issues in Jewish Education.            | 3       |

### 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:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDER 525 | Teaching Judaism: Holidays.       | 3       |
| EDER 527 | Teaching Judaism: Special Topics. | 3       |
| EDER 528 | Teaching Judaism: The Holocaust.  | 3       |

6 credits selected from the following courses:

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| EDPE 535 | Instructional Design.                       | 3       |
| EDPE 616 | Cognitive Development.                      | 3       |
| EDPI 526 | Supporting Students' Strengths and Talents. | 3       |

|          |                                      |   |
|----------|--------------------------------------|---|
| EDPI 642 | Inclusion: Past, Present and Future. | 3 |
| EDPI 654 | Instruction/Curriculum Adaptation.   | 3 |

## Education and Society (Non-Thesis) (M.A.): Project Math & Science Education (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. in Education and Society (Non-Thesis): Project Mathematics and Science Education program emphasizes action-oriented research in mathematics and science education, with a specific focus on teacher education in the areas of mathematics and science. The program will include targeted opportunities for candidates to develop skills, knowledge, and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas. It will produce graduates: who view improving mathematics and science education from a teaching and learning perspective; have developed an understanding of research in mathematics and science education; and have sufficient teacher education experience to assume roles as educational leaders in informal and formal settings.

### Project Courses (12 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDER 633 | Project 1. | 6       |
| EDER 634 | Project 2. | 6       |

### Required Courses (15 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEC 624 | Researching, Teaching, Learning and Teacher Education.    | 3       |
| EDEC 625 | MA Seminar in Practice-Based Teacher Education 1.         | 3       |
| EDEC 626 | MA Seminar in Math and Science Education 2.               | 3       |
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                    | 3       |

### Complementary Courses (12 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| EDEC 646 | Sociocultural and Epistemic Understandings of Science. | 3       |



|          |                                                            |   |
|----------|------------------------------------------------------------|---|
| EDEC 647 | Sociocultural and Epistemic Understandings of Mathematics. | 3 |
|----------|------------------------------------------------------------|---|

9 credits from the following:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 627 | Critical Discourse Studies in Education.                     | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDEM 644 | Curriculum Development and Implementation.                   | 3       |
| EDEM 660 | Community Relations in Education.                            | 3       |
| EDEM 676 | Organizing Non-Formal Learning.                              | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                       | 3       |
| EDER 600 | Globalization, Education and Change.                         | 3       |
| EDER 606 | Philosophy of Moral Education.                               | 3       |
| EDER 607 | Ethics and Values in Education.                              | 3       |
| EDER 608 | Educational Implications of Social Theory.                   | 3       |
| EDER 609 | Education and Philosophical Thought.                         | 3       |
| EDER 614 | Sociology of Education.                                      | 3       |
| EDER 615 | Introduction to Philosophy of Education.                     | 3       |
| EDER 617 | Aesthetics and Education.                                    | 3       |
| EDER 622 | Studies in Comparative Education.                            | 3       |
| EDER 625 | Special Topics in Educational Studies.                       | 3       |
| EDER 626 | Theory and Praxis of Culture and Citizenship.                | 3       |
| EDER 643 | Women, Education and Development.                            | 3       |
| EDER 649 | Education: Multicultural Societies.                          | 3       |
| EDPE 635 | Theories of Learning and Instruction.                        | 3       |
| EDPE 676 | Intermediate Statistics.                                     | 3       |
| EDTL 500 | Applications of Educational Psychology Across Classrooms.    | 3       |
| EDTL 508 | Critical Educational Praxis.                                 | 3       |

## Elective Courses

6 credits at the 500 level or higher. An elective course can be any course in the Department. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 9 credits, at the 500 level or higher, may be taken outside of the Department.

## Educational Leadership (Thesis) (M.A.) (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title     | Credits |
|----------|-----------|---------|
| EDEM 621 | Thesis 1. | 6       |
| EDEM 623 | Thesis 2. | 6       |
| EDEM 699 | Thesis 3. | 12      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 610 | Leadership in Action.                                     | 3       |
| EDEM 673 | Leadership Theory in Education.                           | 3       |

## Complementary Courses (6 credits)

6 credits selected from the following courses:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 630 | Ethnographic Approaches to Research .                        | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                       | 3       |
| EDEM 692 | Qualitative Research Methods.                                | 3       |

## Elective Courses (6 credits)

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

## Educational Leadership (Thesis) (M.A.): Gender and Women's Studies (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title     | Credits |
|----------|-----------|---------|
| EDEM 621 | Thesis 1. | 6       |
| EDEM 623 | Thesis 2. | 6       |
| EDEM 699 | Thesis 3. | 12      |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |

|          |                                 |   |
|----------|---------------------------------|---|
| EDEM 610 | Leadership in Action.           | 3 |
| EDEM 673 | Leadership Theory in Education. | 3 |
| WMST 601 | Feminist Theories and Methods.  | 3 |

## Complementary Courses (6 credits)

3 credits selected from the following courses:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 630 | Ethnographic Approaches to Research .                        | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                       | 3       |
| EDEM 692 | Qualitative Research Methods.                                | 3       |

3 credits selected from the following, must be either:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| 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)

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

# Educational Leadership (Non-Thesis) (M.A.): Course Work (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

This M.A. program focuses on Educational Leadership, with an emphasis on the evidence-based skills, capacities, and dispositions needed for effective, collaborative, and quality leadership.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 610 | Leadership in Action.                                     | 3       |
| EDEM 673 | Leadership Theory in Education.                           | 3       |

## Complementary Courses (27 credits)

18-21 credits selected from the following courses:

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| EDEM 606 | Educational Leadership Issues.              | 3       |
| EDEM 628 | Education Resource Management.              | 3       |
| EDEM 630 | Workplace Learning.                         | 3       |
| EDEM 635 | Fiscal Accountability in Education.         | 3       |
| EDEM 637 | Managing Educational Change.                | 3       |
| EDEM 644 | Curriculum Development and Implementation.  | 3       |
| EDEM 646 | Planning and Evaluation.                    | 3       |
| EDEM 660 | Community Relations in Education.           | 3       |
| EDEM 664 | Education and the Law.                      | 3       |
| EDEM 671 | Role of the Leader.                         | 3       |
| EDEM 674 | Organizational Theory and Education.        | 3       |
| EDEM 675 | Special Topics 1 in Educational Leadership. | 3       |
| EDEM 677 | Special Topics 2 in Educational Leadership. | 3       |
| EDEM 681 | Practicum - Administrative Studies.         | 3       |
| EDEM 690 | Research Methods: Theory and Practice.      | 3       |
| EDEM 693 | School Improvement Approaches.              | 3       |
| EDEM 695 | Policy Studies in Education.                | 3       |

6-9 credits selected from the following courses:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEA 555 | Applied Theatre.                                             | 3       |
| EDEA 655 | Arts-Based Educational Research.                             | 3       |
| EDEC 575 | Special Topics in Education.                                 | 3       |
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 604 | Literacy and Learning Across Curriculum.                     | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 620 |                                                              | 3       |
| EDEC 625 | MA Seminar in Practice-Based Teacher Education 1.            | 3       |
| EDEC 628 | Literacy - Multilingual/Multicultural Settings.              | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDEC 648 | Historical Knowledge and Social Change.                      | 3       |
| EDEC 650 | Critical Race Studies and Education .                        | 3       |
| EDEM 679 | Special Topics 3 in Educational Leadership.                  | 3       |
| EDEM 688 | Critical and Participatory Research Methods .                | 3       |
| EDER 536 | Critical and Ethical Dimensions of Sexualities Education.    | 3       |
| EDER 600 | Globalization, Education and Change.                         | 3       |
| EDER 607 | Ethics and Values in Education.                              | 3       |
| EDER 608 | Educational Implications of Social Theory.                   | 3       |
| EDER 614 | Sociology of Education.                                      | 3       |
| EDER 615 | Introduction to Philosophy of Education.                     | 3       |

|          |                                               |   |
|----------|-----------------------------------------------|---|
| EDER 617 | Aesthetics and Education.                     | 3 |
| EDER 622 | Studies in Comparative Education.             | 3 |
| EDER 625 | Special Topics in Educational Studies.        | 3 |
| EDER 626 | Theory and Praxis of Culture and Citizenship. | 3 |
| EDER 639 | Education and Development.                    | 3 |
| EDER 643 | Women, Education and Development.             | 3 |
| EDER 649 | Education: Multicultural Societies.           | 3 |

## Elective Courses (9 credits)

9 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Coordinator or the Graduate Program Director.

## Educational Leadership (Non-Thesis) (M.A.): Project (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

This M.A. program focuses on Educational Leadership, with an emphasis on the evidence-based skills, capacities, and dispositions needed for effective, collaborative, and quality leadership. The program includes two 6-credit action-oriented projects focused on leadership.

## Research Project (12 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDEM 625 | Project 1. | 6       |
| EDEM 627 | Project 2. | 6       |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 610 | Leadership in Action.                                     | 3       |
| EDEM 673 | Leadership Theory in Education.                           | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                    | 3       |

## Complementary Courses (15 credits)

9 credits selected from the following courses:

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| EDEM 606 | Educational Leadership Issues.      | 3       |
| EDEM 628 | Education Resource Management.      | 3       |
| EDEM 630 | Workplace Learning.                 | 3       |
| EDEM 635 | Fiscal Accountability in Education. | 3       |

|          |                                             |   |
|----------|---------------------------------------------|---|
| EDEM 637 | Managing Educational Change.                | 3 |
| EDEM 644 | Curriculum Development and Implementation.  | 3 |
| EDEM 646 | Planning and Evaluation.                    | 3 |
| EDEM 660 | Community Relations in Education.           | 3 |
| EDEM 664 | Education and the Law.                      | 3 |
| EDEM 671 | Role of the Leader.                         | 3 |
| EDEM 674 | Organizational Theory and Education.        | 3 |
| EDEM 675 | Special Topics 1 in Educational Leadership. | 3 |
| EDEM 677 | Special Topics 2 in Educational Leadership. | 3 |
| EDEM 681 | Practicum - Administrative Studies.         | 3 |
| EDEM 693 | School Improvement Approaches.              | 3 |
| EDEM 695 | Policy Studies in Education.                | 3 |

6 credits selected from the following courses:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 575 | Special Topics in Education.                                 | 3       |
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 604 | Literacy and Learning Across Curriculum.                     | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 620 |                                                              | 3       |
| EDEC 625 | MA Seminar in Practice-Based Teacher Education 1.            | 3       |
| EDEC 628 | Literacy - Multilingual/Multicultural Settings.              | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDEC 648 | Historical Knowledge and Social Change.                      | 3       |
| EDEC 650 | Critical Race Studies and Education .                        | 3       |
| EDEM 655 | Indigenous Research Methodologies.                           | 3       |
| EDER 536 | Critical and Ethical Dimensions of Sexualities Education.    | 3       |
| EDER 600 | Globalization, Education and Change.                         | 3       |
| EDER 607 | Ethics and Values in Education.                              | 3       |
| EDER 608 | Educational Implications of Social Theory.                   | 3       |
| EDER 614 | Sociology of Education.                                      | 3       |
| EDER 615 | Introduction to Philosophy of Education.                     | 3       |
| EDER 617 | Aesthetics and Education.                                    | 3       |
| EDER 622 | Studies in Comparative Education.                            | 3       |
| EDER 625 | Special Topics in Educational Studies.                       | 3       |
| EDER 626 | Theory and Praxis of Culture and Citizenship.                | 3       |
| EDER 639 | Education and Development.                                   | 3       |
| EDER 643 | Women, Education and Development.                            | 3       |
| EDER 649 | Education: Multicultural Societies.                          | 3       |

## Elective Courses (6 credits)

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Coordinator or the Graduate Program Director.

## Educational Leadership (Non-Thesis) (M.A.): Gender and Women's Studies (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

This M.A. program focuses on Educational Leadership with an emphasis on the evidence-based skills, capacities and dispositions needed for effective, collaborative, and quality leadership. The program includes two 6-credit action-oriented projects focused on leadership relating to issues of gender and/or women's studies. The Gender and Women's Studies option provides students with an opportunity to earn credits of approved course work focusing on gender and women's studies, and issues in feminist research and methods.

## Research Project (12 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDEM 625 | Project 1. | 6       |
| EDEM 627 | Project 2. | 6       |

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDEM 610 | Leadership in Action.                                     | 3       |
| EDEM 673 | Leadership Theory in Education.                           | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                    | 3       |
| WMST 601 | Feminist Theories and Methods.                            | 3       |

## Complementary Courses (15 credits)

9 credits selected from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDEM 606 | Educational Leadership Issues.             | 3       |
| EDEM 628 | Education Resource Management.             | 3       |
| EDEM 630 | Workplace Learning.                        | 3       |
| EDEM 635 | Fiscal Accountability in Education.        | 3       |
| EDEM 637 | Managing Educational Change.               | 3       |
| EDEM 644 | Curriculum Development and Implementation. | 3       |
| EDEM 646 | Planning and Evaluation.                   | 3       |
| EDEM 660 | Community Relations in Education.          | 3       |

|          |                                             |   |
|----------|---------------------------------------------|---|
| EDEM 664 | Education and the Law.                      | 3 |
| EDEM 671 | Role of the Leader.                         | 3 |
| EDEM 674 | Organizational Theory and Education.        | 3 |
| EDEM 675 | Special Topics 1 in Educational Leadership. | 3 |
| EDEM 677 | Special Topics 2 in Educational Leadership. | 3 |
| EDEM 681 | Practicum - Administrative Studies.         | 3 |
| EDEM 693 | School Improvement Approaches.              | 3 |
| EDEM 695 | Policy Studies in Education.                | 3 |

3 credits selected from the following courses:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 575 | Special Topics in Education.                                 | 3       |
| EDEC 602 | Foundations in Curriculum.                                   | 3       |
| EDEC 604 | Literacy and Learning Across Curriculum.                     | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 620 |                                                              | 3       |
| EDEC 625 | MA Seminar in Practice-Based Teacher Education 1.            | 3       |
| EDEC 628 | Literacy - Multilingual/Multicultural Settings.              | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDEC 648 | Historical Knowledge and Social Change.                      | 3       |
| EDER 600 | Globalization, Education and Change.                         | 3       |
| EDER 607 | Ethics and Values in Education.                              | 3       |
| EDER 608 | Educational Implications of Social Theory.                   | 3       |
| EDER 614 | Sociology of Education.                                      | 3       |
| EDER 615 | Introduction to Philosophy of Education.                     | 3       |
| EDER 617 | Aesthetics and Education.                                    | 3       |
| EDER 622 | Studies in Comparative Education.                            | 3       |
| EDER 625 | Special Topics in Educational Studies.                       | 3       |
| EDER 626 | Theory and Praxis of Culture and Citizenship.                | 3       |
| EDER 639 | Education and Development.                                   | 3       |
| EDER 643 | Women, Education and Development.                            | 3       |
| EDER 649 | Education: Multicultural Societies.                          | 3       |

3 credits selected from the following, must be either:

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDER 536 | Critical and Ethical Dimensions of Sexualities Education. | 3       |
| EDER 643 | Women, Education and Development.                         | 3       |
| WMST 602 | Feminist Research Symposium.                              | 3       |

or 3 credits, 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 Coordinator or the Graduate Program Director.

## Second Language Education (Thesis) (M.A.) (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

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)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| EDSL 666 | Thesis Research 1. | 6       |
| EDSL 667 | Thesis Research 2. | 6       |
| EDSL 668 | Thesis Research 3. | 6       |
| EDSL 669 | Thesis Research 4. | 6       |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice.           | 3       |
| EDPE 575 | Statistics for Practitioners.                    | 3       |
| EDSL 623 | Second Language Learning.                        | 3       |
| EDSL 627 | Instructed Second Language Acquisition Research. | 3       |

## Complementary Courses (6 credits)

6 credits selected from the following courses:

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEC 630 | Ethnographic Approaches to Research .                     | 3       |
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDSL 617 | Special Topics in Second Language Education.              | 3       |

|          |                                                     |   |
|----------|-----------------------------------------------------|---|
| EDSL 620 | Social Justice Issues in Second Language Education. | 3 |
| EDSL 624 | Educational Sociolinguistics.                       | 3 |
| EDSL 631 | Second Language Curriculum.                         | 3 |
| EDSL 632 | Second Language Literacy Development.               | 3 |
| EDSL 640 | Language Awareness: Theory and Practice.            | 3 |
| EDSL 651 | Content-Based L2 Learning.                          | 3 |

## Elective Course (3 credits)

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

## Second Language Education (Thesis) (M.A.): Gender and Women's Studies (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| EDSL 666 | Thesis Research 1. | 6       |
| EDSL 667 | Thesis Research 2. | 6       |
| EDSL 668 | Thesis Research 3. | 6       |
| EDSL 669 | Thesis Research 4. | 6       |

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice.           | 3       |
| EDPE 575 | Statistics for Practitioners.                    | 3       |
| EDSL 623 | Second Language Learning.                        | 3       |
| EDSL 627 | Instructed Second Language Acquisition Research. | 3       |
| WMST 601 | Feminist Theories and Methods.                   | 3       |

## Complementary Courses (6 credits)

3 credits selected from the following courses:

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEC 630 | Ethnographic Approaches to Research .                     | 3       |
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDSL 617 | Special Topics in Second Language Education.              | 3       |
| EDSL 620 | Social Justice Issues in Second Language Education.       | 3       |
| EDSL 624 | Educational Sociolinguistics.                             | 3       |



|          |                                          |   |
|----------|------------------------------------------|---|
| EDSL 631 | Second Language Curriculum.              | 3 |
| EDSL 632 | Second Language Literacy Development.    | 3 |
| EDSL 640 | Language Awareness: Theory and Practice. | 3 |
| EDSL 651 | Content-Based L2 Learning.               | 3 |

3 credits chosen from the following, must be either:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| 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).

## Second Language Education (M.A.): Coursework (Non-Thesis) (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. in Second Language Education; Non-Thesis – Course Work consists of 45 credits of coursework. The program provides an overview of second language acquisition theory, research and research methods, including quantitative and qualitative approaches. It covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/ methods and program planning (e.g., content-based language teaching, immersion), language policy and planning, and critical applied linguistics.

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| EDEM 609 | Critical Perspectives in Educational Theory and Research. | 3       |
| EDPE 575 | Statistics for Practitioners.                             | 3       |
| EDSL 623 | Second Language Learning.                                 | 3       |
| EDSL 627 | Instructed Second Language Acquisition Research.          | 3       |

### Complementary Courses (24 credits)

12-18 credits chosen from the following courses:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| EDEC 630 | Ethnographic Approaches to Research .                 | 3       |
| EDEM 690 | Research Methods: Theory and Practice.                | 3       |
| EDSL 601 | Methods and Curriculum in Second Language Teaching 1. | 3       |

|          |                                                             |   |
|----------|-------------------------------------------------------------|---|
| EDSL 602 | Methods and Curriculum in Second Language Teaching 2.       | 3 |
| EDSL 617 | Special Topics in Second Language Education.                | 3 |
| EDSL 620 | Social Justice Issues in Second Language Education.         | 3 |
| EDSL 624 | Educational Sociolinguistics.                               | 3 |
| EDSL 628 | Plurilingualism&Translanguaging in Education and Research . | 3 |
| EDSL 631 | Second Language Curriculum.                                 | 3 |
| EDSL 632 | Second Language Literacy Development.                       | 3 |
| EDSL 640 | Language Awareness: Theory and Practice.                    | 3 |
| EDSL 651 | Content-Based L2 Learning.                                  | 3 |

### Complementary Courses

6-12 credits from the following:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEA 555 | Applied Theatre.                                             | 3       |
| EDEA 655 | Arts-Based Educational Research.                             | 3       |
| EDEC 604 | Literacy and Learning Across Curriculum.                     | 3       |
| EDEC 606 | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDEC 620 |                                                              | 3       |
| EDEC 628 | Literacy - Multilingual/Multicultural Settings.              | 3       |
| EDEC 635 | Research Writing.                                            | 3       |
| EDEC 648 | Historical Knowledge and Social Change.                      | 3       |
| EDEC 650 | Critical Race Studies and Education .                        | 3       |
| EDEM 637 | Managing Educational Change.                                 | 3       |
| EDEM 644 | Curriculum Development and Implementation.                   | 3       |
| EDEM 646 | Planning and Evaluation.                                     | 3       |
| EDEM 655 | Indigenous Research Methodologies.                           | 3       |
| EDEM 660 | Community Relations in Education.                            | 3       |
| EDEM 679 | Special Topics 3 in Educational Leadership.                  | 3       |
| EDEM 688 | Critical and Participatory Research Methods .                | 3       |
| EDER 600 | Globalization, Education and Change.                         | 3       |
| EDER 607 | Ethics and Values in Education.                              | 3       |
| EDER 608 | Educational Implications of Social Theory.                   | 3       |
| EDER 609 | Education and Philosophical Thought.                         | 3       |
| EDER 614 | Sociology of Education.                                      | 3       |
| EDER 615 | Introduction to Philosophy of Education.                     | 3       |
| EDER 622 | Studies in Comparative Education.                            | 3       |
| EDER 639 | Education and Development.                                   | 3       |
| EDER 649 | Education: Multicultural Societies.                          | 3       |

## Elective Courses (9 credits)

9 credits of courses at the 500, 600, or 700 level are selected in consultation with the Graduate Program Director or Coordinator and may include complementary courses listed above. Up to 6 of the elective credits may include the following courses:

| Expand allContract all |                                                     |         |
|------------------------|-----------------------------------------------------|---------|
| Course                 | Title                                               | Credits |
| WCOM 642               | Cornerstones of Academic Writing.                   | 1       |
| WCOM 645               | ESL: Fundamentals of Academic Writing .             | 1       |
| WCOM 661               | Literature Review 1: Summary and Critique.          | 1       |
| WCOM 662               | Literature Review 2: Establishing Scholarly Niches. | 1       |

Exceptionally, one 3-credit undergraduate language course, at any level, in a language not formally studied previously may be taken as an elective.

## Second Language Education (Non-Thesis) (M.A.): Project (45 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Second Language Education; Non-Thesis - Project consists of coursework and individualized projects. The program provides an overview of second language acquisition theory, research and research methods, including quantitative and qualitative approaches. It covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/ methods and program planning (e.g., content based language teaching, immersion), language policy and planning, and critical applied linguistics.

## Required Courses (12 credits)

| Expand allContract all |                                                  |         |
|------------------------|--------------------------------------------------|---------|
| Course                 | Title                                            | Credits |
| EDEM 690               | Research Methods: Theory and Practice.           | 3       |
| EDPE 575               | Statistics for Practitioners.                    | 3       |
| EDSL 623               | Second Language Learning.                        | 3       |
| EDSL 627               | Instructed Second Language Acquisition Research. | 3       |

## Research Project (12 credits)

| Expand allContract all |            |         |
|------------------------|------------|---------|
| Course                 | Title      | Credits |
| EDSL 695               | Project 1. | 6       |
| EDSL 696               | Project 2. | 6       |

## Complementary Courses (15 credits)

9-12 credits chosen from the following courses:

| Expand allContract all |                                                             |         |
|------------------------|-------------------------------------------------------------|---------|
| Course                 | Title                                                       | Credits |
| EDEC 630               | Ethnographic Approaches to Research .                       | 3       |
| EDSL 601               | Methods and Curriculum in Second Language Teaching 1.       | 3       |
| EDSL 602               | Methods and Curriculum in Second Language Teaching 2.       | 3       |
| EDSL 617               | Special Topics in Second Language Education.                | 3       |
| EDSL 620               | Social Justice Issues in Second Language Education.         | 3       |
| EDSL 624               | Educational Sociolinguistics.                               | 3       |
| EDSL 628               | Plurilingualism&Translanguaging in Education and Research . | 3       |
| EDSL 631               | Second Language Curriculum.                                 | 3       |
| EDSL 632               | Second Language Literacy Development.                       | 3       |
| EDSL 640               | Language Awareness: Theory and Practice.                    | 3       |
| EDSL 651               | Content-Based L2 Learning.                                  | 3       |

3-6 credits selected from the following:

| Expand allContract all |                                                              |         |
|------------------------|--------------------------------------------------------------|---------|
| Course                 | Title                                                        | Credits |
| EDEC 604               | Literacy and Learning Across Curriculum.                     | 3       |
| EDEC 606               | Self-Study, Autoethnography, and Autobiographical Research . | 3       |
| EDEC 612               | Digital Media and Learning.                                  | 3       |
| EDEC 620               |                                                              | 3       |
| EDEC 628               | Literacy - Multilingual/Multicultural Settings.              | 3       |
| EDEC 635               | Research Writing.                                            | 3       |
| EDEC 648               | Historical Knowledge and Social Change.                      | 3       |
| EDEM 609               | Critical Perspectives in Educational Theory and Research.    | 3       |
| EDEM 637               | Managing Educational Change.                                 | 3       |
| EDEM 644               | Curriculum Development and Implementation.                   | 3       |
| EDEM 646               | Planning and Evaluation.                                     | 3       |
| EDEM 660               | Community Relations in Education.                            | 3       |
| EDER 600               | Globalization, Education and Change.                         | 3       |
| EDER 607               | Ethics and Values in Education.                              | 3       |
| EDER 608               | Educational Implications of Social Theory.                   | 3       |
| EDER 609               | Education and Philosophical Thought.                         | 3       |
| EDER 614               | Sociology of Education.                                      | 3       |
| EDER 615               | Introduction to Philosophy of Education.                     | 3       |
| EDER 622               | Studies in Comparative Education.                            | 3       |
| EDER 639               | Education and Development.                                   | 3       |

|          |                                     |   |
|----------|-------------------------------------|---|
| EDER 643 | Women, Education and Development.   | 3 |
| EDER 649 | Education: Multicultural Societies. | 3 |

## Elective Courses (6 credits)

6 credits of courses at the 500, 600, or 700 level are chosen in consultation with the Graduate Program Director or Coordinator, may include complementary courses listed above, and may include some of the following courses:

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| WCOM 642 | Cornerstones of Academic Writing.                   | 1       |
| WCOM 645 | ESL: Fundamentals of Academic Writing .             | 1       |
| WCOM 661 | Literature Review 1: Summary and Critique.          | 1       |
| WCOM 662 | Literature Review 2: Establishing Scholarly Niches. | 1       |

Exceptionally, one 3-credit undergraduate language course, at any level, in a language not formally studied previously may be taken as an elective.

## Teaching and Learning (Non-Thesis) (M.A.): English or French Second Language (60 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 60

## Program Description

The Master of Arts in Teaching and Learning; Non-Thesis - English or French Second Language Option is a graduate-level teacher education program. The program includes a minimum of 700 hours of school-based internships at the elementary and secondary levels, and offers two streams: an Independent Research Stream and a Course-Based Stream. The program's core academic components emphasize a comprehensive understanding of educational foundations, principles, theories, and practices and include a specific emphasis on English or French second language education. Upon successful completion of the program, graduates are recommended to the Québec Ministry of Education for teacher certification at the elementary and secondary school levels.

## Required Courses (51 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EDEC 550 | Indigenizing Pedagogy and Curriculum. | 3       |
| EDEC 612 | Digital Media and Learning.           | 3       |
| EDIN 610 | Internship 1.                         | 7       |
| EDIN 620 | Internship 2.                         | 8       |
| EDPS 600 | Foundational Professional Seminar.    | 3       |
| EDPS 610 | Professional Seminar 1.               | 2       |
| EDPS 620 | Professional Seminar 2.               | 1       |

|          |                                                                 |   |
|----------|-----------------------------------------------------------------|---|
| EDSL 500 | Foundations and Issues in Second Language Teaching and Learning | 3 |
| EDSL 505 | Second Language Acquisition Applied to Classroom Contexts.      | 3 |
| EDSL 512 | Grammar in Teaching English as a Second Language.               | 3 |
| EDTL 515 | English Exam for Teacher Certification.                         | 0 |
| EDTL 601 | Student Engagement and Learning Environments.                   | 3 |
| EDTL 604 | Techniques for Planning and Assessment.                         | 3 |
| EDTL 609 | Supporting Diverse Learners.                                    | 3 |
| EDTL 635 | Applied Methods in Second Language Education.                   | 3 |
| EDTL 636 | Adv. Applied Methods in Second Language Education.              | 3 |

## Complementary Courses (9 credits)

9 credits selected from one of the following streams:

### Independent Research Stream

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDSL 695 | Project 1. | 6       |

3 credits selected from:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDTL 640 | Teacher Inquiry and Action Research.   | 3       |

### Course-Based Stream

3 credits selected from:

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EDER 615 | Introduction to Philosophy of Education. | 3       |
| EDTL 506 | Philosophy of Education.                 | 3       |

6 credits to be chosen from among 500-level or 600-level department course offerings to be determined by the student's area of study. Courses in other departments may be taken upon approval by the department graduate coordinator or director.

## Teaching and Learning (Non-Thesis) (M.A.): English Language Arts Option (60 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 60

## Program Description

The Master of Arts in Teaching and Learning; Non-Thesis - English Language Arts is a graduate-level teacher education program. The program includes a minimum of 700 hours of school-based internships at the secondary level and offers two streams: an Independent Research Stream and a Course-Based Stream. The program's core academic components emphasize a comprehensive understanding of educational foundations, principles, theories, and practices and include a specific emphasis on English literature, literacies, language content and pedagogies. Upon successful completion of the program, graduates are recommended to the Québec Ministry of Education for teacher certification at the secondary school level.

## Required Courses (51 credits)

Expand allContract all

| Course   | Title                                                       | Credits |
|----------|-------------------------------------------------------------|---------|
| EDEC 550 | Indigenizing Pedagogy and Curriculum.                       | 3       |
| EDEC 612 | Digital Media and Learning.                                 | 3       |
| EDEC 620 |                                                             | 3       |
| EDIN 610 | Internship 1.                                               | 7       |
| EDIN 620 | Internship 2.                                               | 8       |
| EDPS 600 | Foundational Professional Seminar.                          | 3       |
| EDPS 610 | Professional Seminar 1.                                     | 2       |
| EDPS 620 | Professional Seminar 2.                                     | 1       |
| EDTL 508 | Critical Educational Praxis.                                | 3       |
| EDTL 515 | English Exam for Teacher Certification.                     | 0       |
| EDTL 601 | Student Engagement and Learning Environments.               | 3       |
| EDTL 604 | Techniques for Planning and Assessment.                     | 3       |
| EDTL 607 | Language and Policy in Quebec Education.                    | 3       |
| EDTL 609 | Supporting Diverse Learners.                                | 3       |
| EDTL 629 | Applied Methods in Teaching Secondary Eng. Language Arts.   | 3       |
| EDTL 630 | Advanced Applied Methods in Teaching Sec English Lang Arts. | 3       |

## Complementary Courses (9 credits)

9 credits selected from one of the following two streams:

### Independent Research Stream

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDER 633 | Project 1. | 6       |

3 credits selected from:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDTL 640 | Teacher Inquiry and Action Research.   | 3       |

## Course-Based Stream

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EDER 615 | Introduction to Philosophy of Education. | 3       |
| EDTL 506 | Philosophy of Education.                 | 3       |

6 credits to be chosen from among 500-level or 600-level department course offerings to be determined by the student's area of study. Courses in other departments may be taken upon approval by the department graduate coordinator or director.

## Teaching and Learning (Non-Thesis) (M.A.): Mathematics Option (60 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 60

## Program Description

The Master of Arts in Teaching and Learning; Non-Thesis - Mathematics is a graduate-level teacher education program. The program includes a minimum of 700 hours of school-based internships at the secondary level and offers two streams: an Independent Research Stream, and a Course-Based Stream. The program's core academic components emphasize a comprehensive understanding of educational foundations, principles, theories, and practices and include a specific emphasis on mathematics content and pedagogies. Upon successful completion of the program, graduates are recommended to the Québec Ministry of Education for teacher certification at the secondary school level.

## Required Courses (51 credits)

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EDEC 550 | Indigenizing Pedagogy and Curriculum.                        | 3       |
| EDEC 612 | Digital Media and Learning.                                  | 3       |
| EDIN 610 | Internship 1.                                                | 7       |
| EDIN 620 | Internship 2.                                                | 8       |
| EDPS 600 | Foundational Professional Seminar.                           | 3       |
| EDPS 610 | Professional Seminar 1.                                      | 2       |
| EDPS 620 | Professional Seminar 2.                                      | 1       |
| EDTL 508 | Critical Educational Praxis.                                 | 3       |
| EDTL 515 | English Exam for Teacher Certification.                      | 0       |
| EDTL 520 | Perspectives on Knowledge in Mathematics and Science.        | 3       |
| EDTL 601 | Student Engagement and Learning Environments.                | 3       |
| EDTL 604 | Techniques for Planning and Assessment.                      | 3       |
| EDTL 607 | Language and Policy in Quebec Education.                     | 3       |
| EDTL 609 | Supporting Diverse Learners.                                 | 3       |
| EDTL 627 | Applied Methods in Teaching Mathematics in Secondary School. | 3       |

|          |                                                          |   |
|----------|----------------------------------------------------------|---|
| EDTL 628 | Advanced Methods in Teaching Mathematics in Sec. School. | 3 |
|----------|----------------------------------------------------------|---|

## Complementary Courses (9 credits)

9 credits selected from one of the following two streams:

### Independent Research Stream

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDER 633 | Project 1. | 6       |

3 credits selected from:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDTL 640 | Teacher Inquiry and Action Research.   | 3       |

### Course-Based Stream

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EDER 615 | Introduction to Philosophy of Education. | 3       |
| EDTL 506 | Philosophy of Education.                 | 3       |

6 credits to be chosen from among 500-level or 600-level department course offerings to be determined by the student’s area of study. Courses in other departments may be taken upon approval by the department graduate coordinator or director.

## Teaching and Learning (Non-Thesis) (M.A.): Social Sciences Option (60 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)  
**Degree:** Master of Arts  
**Program credit weight:** 60

### Program Description

The Master of Arts in Teaching and Learning; Non-Thesis - Social Science is a graduate- level teacher education program. The program includes a minimum of 700 hours of school-based internships at the secondary level and offers two streams: an Independent Research Stream and a Course-Based Stream. The program's core academic components emphasize a comprehensive understanding of educational foundations, principles, theories, and practices and include a specific emphasis on history content and pedagogies with a specialization in geography or culture and citizenship in Quebec. Upon successful completion of the program, graduates are recommended to the Québec Ministry of Education for teacher certification at the secondary school level.

### Required Courses (45 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| EDEC 550 | Indigenizing Pedagogy and Curriculum.                      | 3       |
| EDEC 612 | Digital Media and Learning.                                | 3       |
| EDIN 610 | Internship 1.                                              | 7       |
| EDIN 620 | Internship 2.                                              | 8       |
| EDPS 600 | Foundational Professional Seminar.                         | 3       |
| EDPS 610 | Professional Seminar 1.                                    | 2       |
| EDPS 620 | Professional Seminar 2.                                    | 1       |
| EDTL 508 | Critical Educational Praxis.                               | 3       |
| EDTL 515 | English Exam for Teacher Certification.                    | 0       |
| EDTL 601 | Student Engagement and Learning Environments.              | 3       |
| EDTL 604 | Techniques for Planning and Assessment.                    | 3       |
| EDTL 607 | Language and Policy in Quebec Education.                   | 3       |
| EDTL 609 | Supporting Diverse Learners.                               | 3       |
| EDTL 633 | Applied Methods in Teaching Social Science in Sec. School. | 3       |

## Complementary Courses (15 credits)

3 credits selected from (in accordance with second specialization in Geography or Culture and Citizenship in Quebec)

Expand allContract all

| Course   | Title                                                         | Credits |
|----------|---------------------------------------------------------------|---------|
| EDTL 612 | Adv Applied Methods in Teaching Quebec Culture & Citizenship. | 3       |
| EDTL 634 | Adv Applied Meth in Teaching Social Sciences in Sec. School.  | 3       |

3 credits selected from:

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| EDEC 648 | Historical Knowledge and Social Change.       | 3       |
| EDER 626 | Theory and Praxis of Culture and Citizenship. | 3       |

9 credits selected from one of the following two streams:

### Independent Research Stream

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDER 633 | Project 1. | 6       |

3 credits selected from:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDTL 640 | Teacher Inquiry and Action Research.   | 3       |

### Course-Based Stream

3 credits selected from:



Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EDER 615 | Introduction to Philosophy of Education. | 3       |
| EDTL 506 | Philosophy of Education.                 | 3       |

6 credits to be chosen from among 500-level or 600-level department course offerings to be determined by the student's area of study. Courses in other departments may be taken upon approval by the department graduate coordinator or director.

## Teaching and Learning (Non-Thesis) (M.A.): Science and Technology Option (60 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 60

### Program Description

The Master of Arts in Teaching and Learning; Non-Thesis - Science and Technology is a graduate-level teacher education program. The program includes a minimum of 700 hours of school-based internships at the secondary level and offers two streams: an Independent Research Stream and a Course-Based Stream. The program's core academic components emphasize a comprehensive understanding of educational foundations, principles, theories, and practices and include a specific emphasis on science and technology content and pedagogies. Upon successful completion of the program, graduates are recommended to the Québec Ministry of Education for teacher certification at the secondary school level.

### Required Courses (51 credits)

Expand allContract all

| Course   | Title                                                    | Credits |
|----------|----------------------------------------------------------|---------|
| EDEC 550 | Indigenizing Pedagogy and Curriculum.                    | 3       |
| EDEC 612 | Digital Media and Learning.                              | 3       |
| EDIN 610 | Internship 1.                                            | 7       |
| EDIN 620 | Internship 2.                                            | 8       |
| EDPS 600 | Foundational Professional Seminar.                       | 3       |
| EDPS 610 | Professional Seminar 1.                                  | 2       |
| EDPS 620 | Professional Seminar 2.                                  | 1       |
| EDTL 515 | English Exam for Teacher Certification.                  | 0       |
| EDTL 520 | Perspectives on Knowledge in Mathematics and Science.    | 3       |
| EDTL 525 | Teaching Science and Technology.                         | 3       |
| EDTL 601 | Student Engagement and Learning Environments.            | 3       |
| EDTL 604 | Techniques for Planning and Assessment.                  | 3       |
| EDTL 607 | Language and Policy in Quebec Education.                 | 3       |
| EDTL 609 | Supporting Diverse Learners.                             | 3       |
| EDTL 625 | Applied Methods in Teaching Science in Secondary School. | 3       |

|          |                                                              |   |
|----------|--------------------------------------------------------------|---|
| EDTL 626 | Advanced Applied Methods in Teaching Science in Sec. School. | 3 |
|----------|--------------------------------------------------------------|---|

## Complementary Courses (9 credits)

9 credits selected from one of the following two streams:

### Independent Research Stream

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| EDER 633 | Project 1. | 6       |

3 credits selected from:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDTL 640 | Teacher Inquiry and Action Research.   | 3       |

### Course-Based Stream

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EDER 615 | Introduction to Philosophy of Education. | 3       |
| EDTL 506 | Philosophy of Education.                 | 3       |

6 credits to be chosen from among 500-level or 600-level department course offerings to be determined by the student's area of study. Courses in other departments may be taken upon approval by the department graduate coordinator or director.

## Educational Studies (Ph.D.)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Doctor of Philosophy

### Program Description

Students must satisfy all program requirements of the Ph.D.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (8 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| EDEC 700 | Proseminar in Education 1.       | 2       |
| EDEC 701 | Ph.D. Comprehensive Examination. | 0       |

|          |                            |   |
|----------|----------------------------|---|
| EDEC 702 | Proseminar in Education 2. | 2 |
| EDEC 703 | Ph.D. Colloquium.          | 4 |

Note: EDEC 701 Ph.D. Comprehensive Examination. 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:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EDEC 630 | Ethnographic Approaches to Research . | 3       |
| EDEC 706 | Textual Approaches to Research.       | 3       |
| EDEC 707 | Interpretive Inquiry.                 | 3       |
| EDEM 692 | Qualitative Research Methods.         | 3       |

## Elective Courses (3-12 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 must take a minimum of 3 credits of elective courses.

Students admitted to Ph.D. 2 will normally take up to 12 credits of 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 12 credits of 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:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEC 630 | Ethnographic Approaches to Research .  | 3       |
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDEM 692 | Qualitative Research Methods.          | 3       |

Students required by their Doctoral Advisory Committee to take graduate courses in statistics will select from a range of courses, such as the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 575 | Statistics for Practitioners.     | 3       |
| EDPE 676 | Intermediate Statistics.          | 3       |
| EDPE 682 | Univariate/Multivariate Analysis. | 3       |

## Educational Studies (Ph.D.): Gender and Women's Studies

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (14 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| EDEC 700 | Proseminar in Education 1.       | 2       |
| EDEC 701 | Ph.D. Comprehensive Examination. | 0       |
| EDEC 702 | Proseminar in Education 2.       | 2       |
| EDEC 703 | Ph.D. Colloquium.                | 4       |
| WMST 601 | Feminist Theories and Methods.   | 3       |
| WMST 602 | Feminist Research Symposium.     | 3       |

Note: EDEC 701 Ph.D. Comprehensive Examination. 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:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EDEC 630 | Ethnographic Approaches to Research . | 3       |
| EDEC 706 | Textual Approaches to Research.       | 3       |
| EDEC 707 | Interpretive Inquiry.                 | 3       |
| EDEM 692 | Qualitative Research Methods.         | 3       |

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.

## Educational Studies (Ph.D.): Language Acquisition

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Doctor of Philosophy

## Program Description

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.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (14 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| EDEC 700 | Proseminar in Education 1.       | 2       |
| EDEC 701 | Ph.D. Comprehensive Examination. | 0       |
| EDEC 702 | Proseminar in Education 2.       | 2       |
| EDEC 703 | Ph.D. Colloquium.                | 4       |
| LING 710 | Language Acquisition Issues 2.   | 2       |
| PSYC 709 | Language Acquisition Issues 1.   | 2       |
| SCSD 712 | Language Acquisition Issues 4.   | 2       |

## Complementary Courses (9 credits)

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.

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| EDPE 676 | Intermediate Statistics.           | 3       |
| EDPE 682 | Univariate/Multivariate Analysis.  | 3       |
| LING 620 | Experimental Linguistics: Methods. | 3       |
| PSYC 650 | Advanced Statistics 1.             | 3       |
| PSYC 651 | Advanced Statistics 2.             | 3       |

3 credits selected from the following list:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| EDEC 706 | Textual Approaches to Research. | 3       |
| EDEC 707 | Interpretive Inquiry.           | 3       |

At least 3 credits selected from the following list:

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| EDSL 620 | Social Justice Issues in Second Language Education. | 3       |
| EDSL 623 | Second Language Learning.                           | 3       |
| EDSL 624 | Educational Sociolinguistics.                       | 3       |
| EDSL 627 | Instructed Second Language Acquisition Research.    | 3       |
| EDSL 632 | Second Language Literacy Development.               | 3       |
| LING 651 | Topics in Acquisition of Phonology.                 | 3       |
| PSYC 545 | Topics in Language Acquisition.                     | 3       |
| PSYC 735 | Developmental Psychology and Language.              | 3       |
| SCSD 619 | Phonological Development.                           | 3       |
| SCSD 632 | Phonological Disorders: Children.                   | 3       |
| SCSD 637 | Developmental Language Disorders 1.                 | 3       |
| SCSD 643 | Developmental Language Disorders 2.                 | 3       |
| SCSD 652 | Advanced Research Seminar 1.                        | 3       |
| SCSD 653 | Advanced Research Seminar 2.                        | 3       |
| SCSD 654 | Advanced Research Seminar 3.                        | 3       |

## Elective Course (0-2 credits)

0-2 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EDPE 713 | Language Acquisition Issues 5. | 2       |
| EDSL 711 | Language Acquisition Issues 3. | 2       |

## Educational Studies (Ph.D.): Mathematics and Science Education

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Degree:** Doctor of Philosophy

## Program Description

This Ph.D. concentration emphasizes research in mathematics and science education, including a specific focus on teacher education in the area of math and science. Graduates will gain sufficient research experience to conduct empirical research in math and science education and sufficient teacher education experience to assume roles as teacher educators in university or other settings. The program includes targeted opportunities for candidates to develop skills, knowledge, and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas. Applicants for the Ph.D. concentration in mathematics and science education would be expected to already have a Master's degree that included educational research.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (17 credits)

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| EDEC 624 | Researching, Teaching, Learning and Teacher Education. | 3       |
| EDEC 700 | Proseminar in Education 1.                             | 2       |
| EDEC 701 | Ph.D. Comprehensive Examination.                       | 0       |
| EDEC 702 | Proseminar in Education 2.                             | 2       |
| EDEC 703 | Ph.D. Colloquium.                                      | 4       |
| EDEC 708 | PhD Seminar in Practice-Based Teacher Education 1.     | 3       |
| EDEC 709 | PhD Seminar in Math and Science Education 2.           | 3       |

Note: EDEC 701 Ph.D. Comprehensive Examination. 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 (3-9 credits)

3 credits of graduate-level courses in curriculum, from the following:

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| EDEC 646 | Sociocultural and Epistemic Understandings of Science.     | 3       |
| EDEC 647 | Sociocultural and Epistemic Understandings of Mathematics. | 3       |

0-3 credits of advanced quantitative methods, as listed below. Students who have taken an equivalent course in quantitative methods, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied these credits.

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 682 | Univariate/Multivariate Analysis. | 3       |

0-3 credits of qualitative methods or advanced research design from the following: Students who have taken an equivalent course in qualitative methods or advanced research design, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied these credits.

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| EDEC 630 | Ethnographic Approaches to Research. | 3       |
| EDEC 706 | Textual Approaches to Research.      | 3       |
| EDEC 707 | Interpretive Inquiry.                | 3       |
| EDEM 692 | Qualitative Research Methods.        | 3       |

## Elective Courses (0-9 credits)

Depending on the student's prior coursework and in consultation with the Supervisor and/or Doctoral Advisory Committee, an additional 0-9 credits of elective courses at the 500 level or higher may be required.

## Educational Leadership 1 (Gr. Cert.) (15 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Program credit weight:** 15

## Program Description

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.

Please click here for information on additional requirements for students pursuing this online program:  
[https://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/graduat...](https://www.mcgill.ca/study/university_regulations_and_resources/graduat...)

Course selection to be approved by Graduate Certificate Program Director.

## Complementary Courses

15 credits from:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDEC 635 | Research Writing.                          | 3       |
| EDEM 610 | Leadership in Action.                      | 3       |
| EDEM 628 | Education Resource Management.             | 3       |
| EDEM 635 | Fiscal Accountability in Education.        | 3       |
| EDEM 637 | Managing Educational Change.               | 3       |
| EDEM 644 | Curriculum Development and Implementation. | 3       |
| EDEM 646 | Planning and Evaluation.                   | 3       |

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.

## Educational Leadership 2 (Gr. Cert.) (15 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)

**Program credit weight:** 15

## Program Description

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.

Students in the online version of this program, please click here for information on additional requirements.  
[https://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/graduat...](https://www.mcgill.ca/study/university_regulations_and_resources/graduat...)

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)

15 credits from:

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| EDEM 606 | Educational Leadership Issues.              | 3       |
| EDEM 660 | Community Relations in Education.           | 3       |
| EDEM 664 | Education and the Law.                      | 3       |
| EDEM 671 | Role of the Leader.                         | 3       |
| EDEM 673 | Leadership Theory in Education.             | 3       |
| EDEM 675 | Special Topics 1 in Educational Leadership. | 3       |
| EDEM 681 | Practicum - Administrative Studies.         | 3       |
| EDEM 693 | School Improvement Approaches.              | 3       |
| EDEM 695 | Policy Studies in Education.                | 3       |

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.

## Educational Leadership 3 (Gr. Cert.) (15 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)  
**Program credit weight:** 15

## Program Description

The Graduate Certificate in Educational Leadership 3 emphasizes applied research in educational leadership and ways in which educational leadership and associated theories can inform the design, implementation, and assessment of educational programs in schools. The program highlights applied research in the context of teaching and learning in Quebec elementary and secondary schools. No course taken in the Graduate Certificate in Educational Leadership 1 may be repeated in Graduate Certificate in Educational Leadership 2 or Graduate Certificate in Educational Leadership 3. The Graduate Certificate in Educational Leadership 3 may be offered on campus or online.

Students in the online version of this program, please click here for information on additional requirements.  
[https://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/graduat...](https://www.mcgill.ca/study/university_regulations_and_resources/graduat...)

## Required Courses (12 credits)

Expand allContract all

| Course     | Title      | Credits |
|------------|------------|---------|
| EDEM 625   | Project 1. | 6       |
| EDEM 625N1 | Project 1. | 3       |
| EDEM 625N2 | Project 1. | 3       |
| EDEM 627   | Project 2. | 6       |

<sup>1</sup> Students take either EDEM 625 Project 1. or EDEM 625N1 Project 1. and EDEM 625N2 Project 1.

## Complementary Courses (3 credits)

3 credits from:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| EDEM 690 | Research Methods: Theory and Practice. | 3       |
| EDEM 692 | Qualitative Research Methods.          | 3       |
| EDTL 640 | Teacher Inquiry and Action Research.   | 3       |

Or other 500-level or higher research method courses approved by the Graduate Certificate Program Director.

## International Leadership in Educational and Administrative Development (Gr. Cert.) (15 credits)

**Offered by:** Dean's Office (Faculty of Education)  
**Program credit weight:** 15

## Program Description

\*\* This program is currently not offered. \*\*

The Graduate Certificate in International Leadership in Educational and Administrative Development (I-LEAD) targets leaders, consultants, senior management, administrators, and policy makers from a range of educational institutions (universities, colleges, private schools), organizations (hospitals, community, governmental), and the corporate sector. The varied curriculum provide a world-class global training experience in educational leadership. The majority of courses are delivered online asynchronously, with students accessing learning material and engaging in online discussions. Courses are offered online during the fall, winter, and spring semesters, and also include an intensive summer component on the McGill campus.

## Required Courses (15 credits)

Expand allContract all



| Course   | Title                                                       | Credits |
|----------|-------------------------------------------------------------|---------|
| EDLE 601 | Resource Administration and Fiscal Accountability.          | 3       |
| EDLE 602 | Marketing & Strategy in International Education Leadership. | 3       |
| EDLE 603 | Educational Planning and Evaluation.                        | 3       |
| EDLE 604 | Education and Internationalization.                         | 3       |
| EDLE 605 | Leading for Success in Educational Institutions.            | 3       |

## Teaching English as a Second Language (Gr. Cert.) (15 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)  
**Program credit weight:** 15

### Program Description

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.

Please click here for information on additional requirements for students pursuing this online program:  
[https://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/graduat...](https://www.mcgill.ca/study/university_regulations_and_resources/graduat...)

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                                                           | Credits |
|----------|-----------------------------------------------------------------|---------|
| EDSL 500 | Foundations and Issues in Second Language Teaching and Learning | 3       |
| EDSL 512 | Grammar in Teaching English as a Second Language.               | 3       |

### Complementary Courses (9 credits)

3 credits from:

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EDTL 607 | Language and Policy in Quebec Education. | 3       |

Or any 600-level EDSL course (500-level course may be taken with approval of the Graduate Program Director)

0 or 6 credits from:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| EDSL 601 | Methods and Curriculum in Second Language Teaching 1. | 3       |
| EDSL 602 | Methods and Curriculum in Second Language Teaching 2. | 3       |

Note: These two courses are taught on-site at McGill in an intensive (6-week) summer institute with a practicum component.

0 or 6 credits from:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| EDTL 635 | Applied Methods in Second Language Education.      | 3       |
| EDTL 636 | Adv. Applied Methods in Second Language Education. | 3       |

## Teaching Indigenous Education for Non Indigenous Educators (Gr. Cert.) (15 credits)

**Offered by:** Integrated Studies in Ed (Faculty of Education)  
**Program credit weight:** 15

### Program Description

This 15-credit Graduate Certificate Program offers professional development for in-service non-Indigenous teachers supporting their growth as more effective teachers in First Nations and Inuit communities. The program addresses subjects of particular interest and need in Indigenous schools, such as cultural socialization, culturally appropriate teaching strategies, second-language teaching, and the history of Indigenous cultures and peoples.

### Required Courses (15 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| EDEC 590 | Culturally Appropriate Teaching.                           | 3       |
| EDEC 591 | Cultural Values and Socialization.                         | 3       |
| EDEM 502 | Indigenous Family Dynamics and Supporting Institutions.    | 3       |
| EDEM 503 | Research Seminar In Indigenous Studies.                    | 3       |
| EDSL 505 | Second Language Acquisition Applied to Classroom Contexts. | 3       |

# Kinesiology and Physical Education

## 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.

### Master of Science Program

Examples of research pursued as part of the M.Sc. program include the following areas:

#### Exercise Physiology:

- obesity treatment, public health surveillance, and health;
- adaptive response of skeletal muscle in health, nutrition, disease, and aging;
- exercise and nutritional interventions designed to manage and treat chronic diseases;
- the impact of sex and sex hormones on neurovascular physiology;
- clinical and integrative exercise in cardio-respiratory physiology;
- muscle physiology and biophysics.

#### Biomechanics and Neuroscience:

- ergonomics evaluation of fatigue and musculoskeletal disorders;
- walking and running locomotion gait research;
- sport equipment design and evaluation (e.g., helmets, footwear);
- mobility in healthy and aging people, and in people with disabilities;
- epigenetic modifications associated with brain and spinal cord postnatal development.

### Master of Arts Program

Examples of research pursued as part of the M.A. program include the following areas:

#### Exercise and Health Psychology:

- 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;
- promoting emotional well-being and quality of life through physical activity and sport.

#### Sports Psychology:

- coaching expertise;
- team building;
- psychology of athletic injuries (concussions);
- hockey violence.

#### Adapted Physical Activity:

- physical activity participation in the community for people with one or multiple disabilities, including developmental, emotional, intellectual, and/or physical disabilities;

- self-regulation of physical activity and physical health for individuals with one or multiple disabilities;
- physical activity for people with attention-deficit hyperactivity disorder (ADHD) and movement difficulties;
- motivation, self-determination, coaching, participation, and/or social inclusion of children, youth, or adults with disabilities.

#### Sport, Physical, and Health Education Research in Society:

- physical and health education pedagogy, curriculum, and instruction;
- narrative conceptions of knowledge and physical education teacher education;
- sociology and cultural studies of sport, recreation, and leisure;
- historical perspectives of sport and Canadian society;
- indigenous sport and settler-colonialism.

### Doctor of Philosophy Program

The Ph.D. in kinesiology sciences provides opportunities for in-depth research in areas such as:

- Biomechanics and Neuroscience, which aims to understand human structure and function interactions between biology (muscles, bones, joints), mechanics (forces, acceleration, motion) and/or the nervous system (brain, nerves, genetics).
- Exercise Physiology, which tests the effects of exercise and physical activity on functional, health, and performance outcomes in healthy, clinical, and athletic populations.
- Physical and Health Education, which studies physical and health education programming, physical education teacher experiences, curriculum studies, and teacher education.
- Sport Sociology and Cultural Studies, which corresponds to the sociocultural study of sport, recreation, and leisure across a variety of contexts.
- Adapted Physical Activity, which investigates, in real world settings, the physical activity and sport participation of people living with one or multiple disabilities, including developmental, emotional, intellectual, and/or physical disabilities.
- Sport, Exercise, and Health Psychology, which aims to understand how psychological and social factors influence behavioural outcomes (e.g., sport performance, exercise motivation), and psychosocial development, health, and well-being.

## Kinesiology and Physical Education Admission Requirements and Application Procedures

### Admission Requirements

#### Master's level

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 3.0/4.0 or a GPA of 3.2/4.0 in the last two years of full-time studies.

#### Doctoral level

1. A master's degree in Kinesiology or a related discipline, or an equivalent background is required.

2. A minimum Academic Standing equivalent to a CGPA of 3.0/4.0 or a GPA of 3.2/4.0 in the last two years of full-time studies.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

Admissions and application information for Master's and Doctoral programs is also available on the Department of Kinesiology and Physical Education's website ([mcgill.ca/edu-kpe/programs](http://mcgill.ca/edu-kpe/programs))

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Kinesiology and Physical Education and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, a late and/or incomplete application is considered only as time and space permit.

### Available Programs

- Kinesiology and Physical Education (Thesis) (M.A.) (45 credits) (p. 278)
- Kinesiology and Physical Education (Thesis) (M.Sc.) (45 credits) (p. 279)
- Kinesiology Sciences (Ph.D.) (p. 279)

### Location

Department of Kinesiology and Physical Education  
Sir Arthur Currie Memorial Gymnasium  
475 Pine Avenue West  
Montréal, QC H2W 1S4

Telephone: 514-396-1621

Email: [studentaffairs.kpe@mcgill.ca](mailto:studentaffairs.kpe@mcgill.ca)

Website: [mcgill.ca/education/about-us/kinesiology-physical-education-kpe](http://mcgill.ca/education/about-us/kinesiology-physical-education-kpe)

## Kinesiology and Physical Education (Thesis) (M.A.) (45 credits)

**Offered by:** Kinesiology and Physical Ed (Faculty of Education)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. in Kinesiology and Physical Education (Thesis) focuses on research in the social and pedagogical sciences related to kinesiology,

physical activity, and physical education. Related areas of research include, but not limited to, physical and health education, sport sociology and cultural studies; adapted physical activity; and sport and exercise psychology.

### Thesis Courses (24 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| EDKP 691 | Thesis Research 1. | 6       |
| EDKP 692 | Thesis Research 2. | 6       |
| EDKP 693 | Thesis Research 3. | 6       |
| EDKP 694 | Thesis Research 4. | 6       |

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| EDKP 605 | Research Methods 1.                                | 3       |
| EDKP 621 | Seminar in Kinesiology and Physical Education 1A . | 1.5     |
| EDKP 622 | Seminar in Kinesiology and Physical Education 2A . | 1.5     |
| EDKP 623 | Seminar in Kinesiology and Physical Education 3A . | 1.5     |
| EDKP 624 | Seminar in Kinesiology and Physical Education 4A.  | 1.5     |

### Complementary Courses (12 credits)

3 credits from:

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| EDKP 631 | Qualitative Methods.     | 3       |
| EDPE 676 | Intermediate Statistics. | 3       |

9 credits from:

Students must take a minimum of 9 credits of coursework in a classroom setting that is relevant to their area of research selected in consultation with the Graduate Student Advisor.

Expand allContract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| EDKP 548 | Applied Exercise Psychology.                 | 3       |
| EDKP 603 | Individual Reading Course 1.                 | 6       |
| EDKP 616 | Individual Reading Course 2.                 | 3       |
| EDKP 625 | Sport, Physical Activity and Social Theory . | 3       |
| EDKP 631 | Qualitative Methods.                         | 3       |
| EDKP 654 | Sport Psychology.                            | 3       |
| EDKP 664 | Motor Learning and Behaviour.                | 3       |
| EDKP 671 | Experimental Problems.                       | 3       |

|          |                                 |   |
|----------|---------------------------------|---|
| EDKP 672 | Advanced Experimental Problems. | 6 |
| EDPE 676 | Intermediate Statistics.        | 3 |

Students may also take courses (500, 600, or 700 level) outside of the department chosen in consultation with the supervisor or student advisor, up to a maximum of 6 credits.

## Kinesiology and Physical Education (Thesis) (M.Sc.) (45 credits)

**Offered by:** Kinesiology and Physical Ed (Faculty of Education)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The M.Sc. in Kinesiology and Physical Education (Thesis) focusses on research in the social and pedagogical sciences related to kinesiology, physical activity, and physical education. Related areas of research include, but not limited to, biomechanics, exercise physiology and motor control and learning.

### Thesis Courses (24 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| EDKP 691 | Thesis Research 1. | 6       |
| EDKP 692 | Thesis Research 2. | 6       |
| EDKP 693 | Thesis Research 3. | 6       |
| EDKP 694 | Thesis Research 4. | 6       |

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| EDKP 605 | Research Methods 1.                                | 3       |
| EDKP 621 | Seminar in Kinesiology and Physical Education 1A . | 1.5     |
| EDKP 622 | Seminar in Kinesiology and Physical Education 2A . | 1.5     |
| EDKP 623 | Seminar in Kinesiology and Physical Education 3A . | 1.5     |
| EDKP 624 | Seminar in Kinesiology and Physical Education 4A.  | 1.5     |
| EDPE 676 | Intermediate Statistics.                           | 3       |

### Complementary Courses (9 credits)

Students must take a minimum of 3 credits of coursework in a classroom setting in the area of concentration selected in consultation with the Graduate Student Advisor.

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| EDKP 548 | Applied Exercise Psychology.                  | 3       |
| EDKP 566 | Advanced Biomechanics                         | 3       |
| EDKP 603 | Individual Reading Course 1.                  | 6       |
| EDKP 616 | Individual Reading Course 2.                  | 3       |
| EDKP 631 | Qualitative Methods.                          | 3       |
| EDKP 652 | Advanced Cardiopulmonary Exercise Physiology. | 3       |
| EDKP 662 | Musculoskeletal Responses to Exercise.        | 3       |
| EDKP 664 | Motor Learning and Behaviour.                 | 3       |
| EDKP 671 | Experimental Problems.                        | 3       |
| EDKP 672 | Advanced Experimental Problems.               | 6       |

Students may also take courses (500, 600, or 700 level) from outside of the department chosen in consultation with the supervisor or student advisor, up to a maximum of 6 credits.

## Kinesiology Sciences (Ph.D.)

**Offered by:** Kinesiology and Physical Ed (Faculty of Education)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in Kinesiology Sciences focuses on in-depth research experience in (an) area(s) of kinesiology research. The program includes graduate research training in kinesiology-related areas such as exercise physiology, biomechanics, motor control, physical and health education pedagogy, and sport, exercise and health psychology.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (12 credits)

Expand allContract all

| Course     | Title                                              | Credits |
|------------|----------------------------------------------------|---------|
| EDKP 621   | Seminar in Kinesiology and Physical Education 1A . | 1.5     |
| EDKP 622   | Seminar in Kinesiology and Physical Education 2A . | 1.5     |
| EDKP 623   | Seminar in Kinesiology and Physical Education 3A . | 1.5     |
| EDKP 624   | Seminar in Kinesiology and Physical Education 4A.  | 1.5     |
| EDKP 661D1 | Current Topics in Kinesiology Research.            | 1.5     |

|            |                                         |     |
|------------|-----------------------------------------|-----|
| EDKP 661D2 | Current Topics in Kinesiology Research. | 1.5 |
| EDKP 701   | Ph.D. Comprehensive Examination.        | 0   |

## Complementary Courses (6 credits)

A minimum of 6 credits from the following; other courses, at the 500-level or higher, on these topics from the Faculty of Education or other Faculties may be selected subject to approval of the program adviser.

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| EDKP 603D1 | Individual Reading Course 1.                  | 3       |
| EDKP 603D2 | Individual Reading Course 1.                  | 3       |
| EDKP 605   | Research Methods 1.                           | 3       |
| EDKP 616   | Individual Reading Course 2.                  | 3       |
| EDKP 652   | Advanced Cardiopulmonary Exercise Physiology. | 3       |
| EDKP 654   | Sport Psychology.                             | 3       |
| EDKP 662   | Musculoskeletal Responses to Exercise.        | 3       |
| EDKP 664   | Motor Learning and Behaviour.                 | 3       |
| EDKP 671   | Experimental Problems.                        | 3       |
| EDKP 672   | Advanced Experimental Problems.               | 6       |
| EDPE 676   | Intermediate Statistics.                      | 3       |



# Engineering

McGill University's Faculty of Engineering is one of Canada's most distinguished research communities, home to approximately 150 professors, approximately 3,900 undergraduates, and over 1,200 graduate students. Here, you'll study with some of the world's most prominent teachers and researchers and be part of a team of the best and brightest students in the world. Our alumni network includes astronauts, scientists, Nobel Prize recipients, heads of government, innovators, business leaders, writers, Oscar winners, entrepreneurs, management consultants, and visionaries in every aspect of Engineering, Architecture, and Urban Planning. These highly respected women and men speak to McGill Engineering's ability to equip its graduates for success.

## About the Faculty of Engineering

The Faculty currently includes six engineering departments and two schools, and houses three institutes:

### Departments

- Bioengineering
- Chemical Engineering
- Civil Engineering
- Electrical and Computer Engineering
- Mechanical Engineering
- Mining and Materials Engineering

### Schools

- The Peter Guo-hua Fu School of Architecture
- Urban Planning

### Institutes

- Trottier Institute for Sustainability in Engineering and Design (TISED)
- McGill Institute for Advanced Materials (MIAM) (established by the Faculties of Engineering and Science)
- McGill Institute for Aerospace Engineering (MIAE)

**Undergraduate programs** leading to professional bachelor's degrees are offered in all Engineering departments. These programs are designed to qualify graduates for immediate employment in a wide range of industries and for membership in the appropriate professional bodies. The new Bachelor of Global Engineering program is not currently accredited. Additionally, a non-professional undergraduate degree is offered in the School of Architecture for those who plan to work in related fields not requiring professional qualification.

The curricula are structured to provide suitable preparation for those who plan to continue their education in postgraduate studies either at McGill or elsewhere. The professional degrees in Architecture and Urban Planning are offered at the master's level.

The academic programs are divided into required and complementary sections. The required courses emphasize basic principles which permit graduates to keep abreast of progress in technology throughout their careers. Exposure to current technology is provided by the wide

variety of complementary courses which allow students to pursue a particular interest in depth.

The **Engineering Internship Program** provides engineering students with the opportunity to participate in four-, eight-, twelve-, or sixteen-month paid work experiences. In addition, co-op programs are offered in Mining Engineering, Materials Engineering, and Software Engineering.

**Graduate and postgraduate programs** leading to master's and doctoral degrees are offered in all sectors of the Faculty. Numerous areas of specialization are available in each of the departments and schools. All postgraduate programs, including the professional degree programs in Architecture and in Urban Planning, are described on the Faculty of Engineering's Graduate Studies (p. 281) page.

## Departments, Schools, and Institutes

- Architecture (p. 281)
- Bioengineering (p. 286)
- Chemical Engineering (p. 287)
- Civil Engineering (p. 291)
- Electrical and Computer Engineering (p. 295)
- Mechanical Engineering (p. 300)
- Mining and Materials Engineering (p. 304)
- Trottier Institute for Sustainability in Engineering and Design (TISED) (p. 310)
- Urban Planning (p. 313)

## Architecture

### About Peter Guo-hua Fu School of Architecture

The Peter Guo-hua Fu School of Architecture at McGill University offers a Professional Master of Architecture program, an M.Sc. in Architecture program, and a Ph.D. program.

The **Professional M.Arch.** requires the equivalency of the B.Sc.(Arch.) degree for admittance. The Professional M.Arch. 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 USA.

The **M.Sc. in Architecture** is a non-accredited degree. It is oriented toward students who already hold a professional degree in architecture and wish to acquire advanced research training. Students who hold degrees in other disciplines and wish to pursue research that engages design and architecture are also welcome to apply.

The **Ph.D. program** is for study beyond the professional degree in architecture. The program has been conceived to respond to the needs of graduates with some professional experience who wishes to acquire more specialized knowledge in architecture. More information about the Ph.D. program can be found on the Peter Guo-hua Fu School of Architecture website.

### Architectural Certification in Canada

The Professional M.Arch. degree 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 USA.

In Canada, the Canadian Architectural Certification Board (CACB) is the sole agency authorized by the Regulatory Organization of Architecture in Canada (ROAC) to accredit Canadian professional degree programs in architecture for the purposes of architectural licensure.

# Architecture Admission Requirements and Application Procedures

## Admission Requirements

### Professional M.Arch. (Non-Thesis) Program

Applicants holding the McGill B.Sc.(Arch.) degree, or equivalent, with a cumulative grade point average (CGPA) of at least 3.0 on a scale of 4.0, are eligible to apply for admission.

### M.Sc.

Candidates are required to have obtained a bachelor's degree to apply to the master's program.

### Ph.D.

Candidates who have an adequate background at the master's level in the proposed area of research are eligible to apply to this program and will be admitted to Ph.D. 2 with the stipulation of additional courses, if necessary.

A working knowledge of a language or languages relevant to the area of research is required.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

### Professional Master of Architecture

- Curriculum vitae
- Applicants are required to upload unofficial transcripts from all universities previously attended (including summer term, exchange term, or study-away term). If you are recommended for admission, you will later be required to supply official transcripts. 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. Please refer to [mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents](http://mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents).
- A total of two (2) confidential letters of reference are required for your application: two (2) from academics **or** one (1) from an academic and one (1) from a recent employer. Once you have identified your referees (you must provide a valid institutional email address for each referee), McGill will send them an email asking for a reference in support of your application. Additionally, uploaded letters must be on university or company/business stationery and the referee must indicate their position and full contact information

at the institution. Please refer to [mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents](http://mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents).

- Once accepted to the Professional M.Arch. program, students will benefit from faculty expertise within the School in the areas of History and Theory of Architecture; Cultural Landscape Studies; Affordable and Sustainable Housing; Computation and Fabrication; High-performance Visualization; Minimum Cost Housing; Gender, Sexuality, and Space; Design and Health; Urban Design; Landscape Urbanism; Architectural Representation; Urban Agriculture; Vernacular Architecture; Reurbanization.
- Completed Program Comparison Chart (see the excel file at number six on the school's application procedures webpage) [mcgill.ca/architecture/programs/professional/prospective-students/application-procedures](http://mcgill.ca/architecture/programs/professional/prospective-students/application-procedures).

**Note:** Not required by graduates from McGill University B.Sc. (Arch.), Université de Montréal B.Sc.(Arch), Université Laval (B.Sc.Arch.), Toronto Metropolitan University (B.Arch.Sc.), Laurentian University (B.A.S. – Bachelor of Arch. Studies), University of Waterloo (B.Arch.Studies.), University of Manitoba (B.Env.Design), Carleton University (Bachelor of Arch. Studies - Design).

- Official descriptions of previous college and/or university studies must be submitted in addition to the Program Comparison Chart.

**Note:** Not required by graduates from McGill University B.Sc. (Arch.), Université de Montréal B.Sc.(Arch), Université Laval (B.Sc.Arch.), Toronto Metropolitan University (B.Arch.Sc.), Laurentian University (B.A.S. - Bachelor of Arch. Studies), University of Waterloo (B.Arch.Studies.), University of Manitoba (B.Env.Design), Carleton University (Bachelor of Arch. Studies - Design).

- A comprehensive e-portfolio (.pdf format, max. 15 MB, due no later than December 15) that may include the following: selected work from previous design studios; 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).

**Note:** Please indicate, where applicable, if a project is an individual or group project.

### M.Sc. and Ph.D.

- Two-page curriculum vitae including a section on research experience and accomplishments (publications, presentations, exhibitions, participation in funded projects, etc.). Links and/or DOIs should be provided where applicable.
- Applicants are required to upload unofficial transcripts from all universities previously attended. If you are recommended for admission, you will later be required to supply official transcripts. 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. Please refer to [mcgill.ca/gradapplicants/apply/prepare/checklist/documents](http://mcgill.ca/gradapplicants/apply/prepare/checklist/documents).

- Two confidential letters of reference are required for your application. Once you have identified your referees (you must provide a valid institutional email address for each referee), McGill will send them an email asking for a reference in support of your application. Additionally, uploaded letters must be on university or company/business stationery and the referee must indicate their position and full contact information at the institution. Please refer to [mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents](http://mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents).
- For M.Sc. applicants, a two-page research statement, plus up to a page of bibliographical references is required. The research statement should indicate research interests and capacities, a proposed topic and a detailed explanation of why and with whom they wish to study in the School of Architecture.
- For Ph.D. applicants, a four-page research statement plus up to a page of bibliographical references is required, indicating research interests and capacities, a proposed topic and a detailed explanation of why and with whom they wish to study in the School of Architecture.
- Written work: a sample of the applicant's written work, drawn from essays, papers, or other work previously submitted for academic evaluation or publication, and falling within the desired field of graduate study.
- Proof of English language proficiency: 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 overall score of 86 is required on the Internet-based test (iBT), with each component score (i.e., reading, writing, speaking, listening) not less than 20 (the TOEFL Institution Code for McGill University is 0935.) For the IELTS, a minimum overall band score of 6.5 is required. For further information, please refer to [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/proficiency](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/proficiency).

More information is available on the Peter Guo-hua Fu School of Architecture website.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Peter Guo-hua Fu School of Architecture and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Architecture (Ph.D.) (p. 284)
- Architecture (Thesis) (M.Sc.) (45 credits) (p. 283)
- Professional Master of Architecture (Non-Thesis) (M.Arch.) (60 credits) (p. 284)

## Location

Peter Guo-hua Fu School of Architecture  
Macdonald-Harrington Building  
815 Sherbrooke St. W.  
Montréal, QC H3A 0C2

Telephone: 514-398-6700

Website: [mcgill.ca/architecture](http://mcgill.ca/architecture)

## Architecture (Thesis) (M.Sc.) (45 credits)

**Offered by:** Architecture (Faculty of Engineering)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Architecture (Thesis) is a research-intensive program of study, focusing on critical skills in research, analysis, experimentation, design research, and interpretation that are applicable in the profession, allied disciplines, and society. The program accommodates several areas of study, capitalizing on faculty expertise. It offers flexibility between a written or design-oriented thesis, and promotes close interaction between students and faculty in sponsored and unsponsored research. Original research on architectural, engineering, landscape, and urban issues of interest with implications for the built environment are conducted to develop the student's research skills and competencies for doctoral studies or a leadership role in professional practice.

## Required Courses (33 credits)

Expand allContract all

| Course     | Title                       | Credits |
|------------|-----------------------------|---------|
| ARCH 627   | Research Methods.           | 3       |
| ARCH 630J1 | Research Symposium.         | 1       |
| ARCH 630J2 | Research Symposium.         | 1       |
| ARCH 630J3 | Research Symposium.         | 1       |
| ARCH 694   | Thesis Preparation.         | 3       |
| ARCH 695   | Detailed Research Proposal. | 6       |
| ARCH 696   | Thesis Submission.          | 18      |

## Complementary Courses (12 credits)

12 credits selected from the following:

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| ARCH 515 | Sustainable Design.                         | 3       |
| ARCH 517 | Sustainable Residential Development.        | 3       |
| ARCH 602 | Advanced Studies in Housing                 | 3       |
| ARCH 604 | Urban Design Seminar.                       | 3       |
| ARCH 626 | Critical Design Strategies.                 | 3       |
| ARCH 635 | Selected Topics in Housing 1.               | 3       |
| ARCH 641 | Energy and Environments 1.                  | 3       |
| ARCH 642 | Energy and Environments 2.                  | 3       |
| ARCH 651 | Architectural History and Theory Seminar 1. | 3       |
| ARCH 652 | Architectural History and Theory Seminar 2. | 3       |
| ARCH 653 | Architectural History and Theory Seminar 3. | 3       |
| ARCH 654 | Architectural History and Theory Seminar 4. | 3       |
| ARCH 670 | Advanced Landscape Theory.                  | 3       |
| ARCH 675 | Architecture in Global Perspective.         | 3       |
| ARCH 684 | Contemporary Theory 1.                      | 3       |
| ARCH 685 | Contemporary Theory 2.                      | 3       |

Other courses at the 500-level or higher, inside or outside the School, if relevant to the program of study, can be approved by the student's supervisor and Graduate Program Director.

# Professional Master of Architecture (Non-Thesis) (M.Arch.) (60 credits)

**Offered by:** Architecture (Faculty of Engineering)  
**Degree:** Master of Architecture  
**Program credit weight:** 60

## Program Description

The M.Arch. (Professional); Non-Thesis degree program provides a structured opportunity to explore advanced architectural design, integrating building construction, landscape and urban design, professional practice, sustainable design, and the history and theory of architecture. A strategic focus on design methodology, innovative research, and self-directed inquiry, supported by the advanced media and modeling technologies and other resources required to carry out architectural research and creative practice.

## Required Courses (45 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| ARCH 628 | Fundamentals of Building Regulations and Safety. | 3       |
| ARCH 672 | Architectural Design Studio 1.                   | 9       |
| ARCH 673 | Architectural Design Studio 2.                   | 9       |
| ARCH 674 | Professional Practice 1.                         | 3       |
| ARCH 676 | Advanced Architectural Design.                   | 9       |

|          |                            |   |
|----------|----------------------------|---|
| ARCH 678 | Advanced Construction.     | 3 |
| ARCH 683 | Directed Research Project. | 9 |

## Complementary Courses (15 credits)

15 credits chosen from among the following:

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| ARCH 514 | Community Design Workshop.                        | 3       |
| ARCH 515 | Sustainable Design.                               | 3       |
| ARCH 517 | Sustainable Residential Development.              | 3       |
| ARCH 525 | Seminar on Analysis and Theory.                   | 3       |
| ARCH 528 | History of Housing.                               | 3       |
| ARCH 531 | Architectural Intentions Vitruvius - Renaissance. | 3       |
| ARCH 532 | Origins of Modern Architecture.                   | 3       |
| ARCH 535 | History of Architecture in Canada.                | 3       |
| ARCH 536 | Heritage Conservation.                            | 3       |
| ARCH 540 | Selected Topics in Architecture 1.                | 3       |
| ARCH 541 | Selected Topics in Architecture 2.                | 3       |
| ARCH 542 | Selected Topics in Architecture 3.                | 3       |
| ARCH 543 | Selected Topics in Architecture 4.                | 3       |
| ARCH 562 | Innovative Homes and Communities.                 | 3       |
| ARCH 602 | Advanced Studies in Housing                       | 3       |
| ARCH 604 | Urban Design Seminar.                             | 3       |
| ARCH 627 | Research Methods.                                 | 3       |
| ARCH 641 | Energy and Environments 1.                        | 3       |
| ARCH 642 | Energy and Environments 2.                        | 3       |
| ARCH 670 | Advanced Landscape Theory.                        | 3       |
| ARCH 675 | Architecture in Global Perspective.               | 3       |
| ARCH 680 | Field Sketching.                                  | 2       |
| ARCH 684 | Contemporary Theory 1.                            | 3       |
| ARCH 685 | Contemporary Theory 2.                            | 3       |
| ARCH 688 | Directed Research 1.                              | 3       |
| ARCH 689 | Directed Research 2.                              | 3       |
| OCC1 625 | Functional Environments.                          | 3       |
| URBP 555 | Real Estate and Planning.                         | 3       |
| URBP 651 | Redesigning Suburban Space.                       | 3       |

## Architecture (Ph.D.)

**Offered by:** Architecture (Faculty of Engineering)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Architecture is a research degree with a thesis, the foundations for which are developed through a series of courses taken in the first two years of study. Each student meets regularly with the supervisor in the first year to prepare the thesis proposal

(ARCH 700 Thesis Proposal.). Three Literature Review preparatory courses (ARCH 721 Literature Review 1., ARCH 722 Literature Review 2., ARCH 723 Literature Review 3.) and three (or more) complementary courses are taken in the first two years of study. All students also participate in the two Research Seminars (ARCH 711 Doctoral Proseminar 1., ARCH 712 Doctoral Proseminar 2.) to present the research framework and objectives for peer critique. By the end of the second year of studies (Ph.D.-3), the student must complete the Comprehensive Examination (ARCH 701 Comprehensive Examination.) with a formal presentation to an Advisory Committee.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| ARCH 700 | Thesis Proposal.           | 0       |
| ARCH 701 | Comprehensive Examination. | 0       |
| ARCH 711 | Doctoral Proseminar 1.     | 3       |
| ARCH 712 | Doctoral Proseminar 2.     | 3       |
| ARCH 721 | Literature Review 1.       | 3       |
| ARCH 722 | Literature Review 2.       | 3       |
| ARCH 723 | Literature Review 3.       | 3       |

## Complementary Courses (9 credits)

Students must take 9 credits of courses at the 600 or 700 level, selected with the approval of the School.



# Bioengineering

## About Bioengineering

The Department of Bioengineering, established in 2012, is the newest department to join McGill University's renowned Faculty of Engineering. McGill researchers from nearly all faculty units, including seven Canada Research Chairs and many colleagues in the Faculties of Medicine and Health Sciences, Science, and Agricultural and Environmental Sciences, are actively involved in various areas of bioengineering. Within our department, faculty members conduct research in three major fields:

- Biological Materials and Mechanics
- Biomolecular and Cellular Engineering
- Biological Information and Computation

## Graduate Studies

Graduate study in Bioengineering is available through the Biological and Biomedical Engineering (BBME) graduate programs, offered jointly by the Department of Bioengineering (Faculty of Engineering) and the Department of Biomedical Engineering (Faculty of Medicine and Health Sciences). Biological and Biomedical Engineering is a broad, interdisciplinary field that involves the application of engineering, the physical sciences, biological sciences, and computer science to medicine and the life sciences. McGill's BBME programs offer unsurpassed opportunities for multidisciplinary research with internationally renowned scientists.

Please consult the Biomedical Sciences (p. 385) and the Biological and Biomedical Engineering websites for further information on this program.

## Location

Department of Bioengineering  
McConnell Engineering Building, Room 350  
3480 University St.  
Montréal, QC H3A 0E9

Telephone: 514-398-7254  
Email: [info.bioeng@mcgill.ca](mailto:info.bioeng@mcgill.ca)  
Website: [mcgill.ca/bioengineering](http://mcgill.ca/bioengineering)

# Chemical Engineering

## About Chemical Engineering

The Department offers programs leading to the **Master of Engineering**, **Master of Science**, and the **Doctor of Philosophy** degrees.

The Department's offices and research laboratories are located in the M.H. Wong Building. Collectively, 18 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, FRQNT, 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, and modelling 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 toward 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 professors in the Department are involved 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 elevating 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 modelling of hydrogen storage;
- hydrogen fuel cells and solid oxide fuel cells;
- methane recovery, storage, and transportation using gas hydrates;
- oil and gas flow assurance; and
- 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;
- biodegradation 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 degrees Kelvin (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 Catalytic and Plasma Process Engineering Laboratory, which forms one of the founding groups of the Plasma-Québec Centre.

## Chemical Engineering Admission Requirements and Application Procedures

### Admission Requirements

Admission to graduate studies requires a minimum CGPA of 3.0/4.0 (or equivalent) for all degrees combined, or a minimum GPA of 3.2/4.0

(or equivalent) in both the bachelor's and master's degree, over the last two years of each 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 institution (anglophone or francophone), must achieve a minimum TOEFL score of 90 on the Internet-based test (iBT), with each component score not less than 20, prior to admission, or a minimum IELTS (International English Language Testing System) band score of 7 in order to apply.

### M.Sc. (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.

### Application Procedure

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed information.

### Additional Requirements

- Reference Letter – Ph.D. applicants must submit two letters of recommendation, one of which should be from their master's research supervisor.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Chemical Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

Application Deadlines differ for International and Canadian (and Permanent Resident) students to allow time to obtain a visa.

## Available Programs

- Chemical Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 289)
- Chemical Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits) (p. 289)
- Chemical Engineering (Ph.D.) (p. 290)
- Chemical Engineering (Thesis) (M.Sc.) (45 credits) (p. 288)

## Location

Department of Chemical Engineering  
M.H. Wong Building  
3610 University St.  
Montréal, QC H3A 0C5

Telephone: 514-398-4494

Fax: 514-398-6678

Email: [gradcoordinator.chemeng@mcgill.ca](mailto:gradcoordinator.chemeng@mcgill.ca)

Website: [mcgill.ca/chemeng](http://mcgill.ca/chemeng)

## Chemical Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Chemical Engineering (Faculty of Engineering)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Chemical Engineering (Thesis) is a research-oriented program that focuses on advanced materials and polymers, biomedical engineering and biotechnology, environmental engineering, energy, plasma science and artificial intelligence-assisted design and optimization. This program offers advanced training in fundamentals as well as research methods, laboratory safety and research ethics and is, therefore, the more relevant program for those whose primary interest is research as well as a suitable preparation for a career in industry.

## Thesis Courses (31 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| CHEE 697 | Thesis Proposal.   | 6       |
| CHEE 698 | Thesis Research 1. | 12      |
| CHEE 699 | Thesis Research 2. | 13      |

## Required Courses (4 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| CHEE 681 | Laboratory Safety 1.        | 1       |
| CHEE 682 | Laboratory Safety 2.        | 1       |
| CHEE 687 | Research Skills and Ethics. | 2       |

## Complementary Courses (10 credits)

4 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEE 611 | Heat and Mass Transfer.           | 4       |
| CHEE 621 | Thermodynamics.                   | 4       |
| CHEE 631 | Foundations of Fluid Mechanics.   | 4       |
| CHEE 641 | Chemical Reaction Engineering.    | 4       |
| CHEE 651 | Advanced Biochemical Engineering. | 4       |
| CHEE 662 | Computational Methods.            | 4       |

|          |                                             |   |
|----------|---------------------------------------------|---|
| CHEE 672 | Process Dynamics and Control.               | 4 |
| CHEE 688 | Advanced Materials in Chemical Engineering. | 4 |

A minimum of 3 credits of Chemical Engineering courses at the 500, 600, or 700 level.

Any remaining complementary course credit requirements may be fulfilled by completing Chemical Engineering or other Engineering or Science courses at the 500, 600, or 700 level.

## Chemical Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Chemical Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

### Research Project (6-12 credits)

Project (design or research): 6-12 credits.

6 credits must include the following course:

| Expand allContract all |                                  |         |
|------------------------|----------------------------------|---------|
| Course                 | Title                            | Credits |
| CHEE 695               | Project in Chemical Engineering. | 6       |

## 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.

## Chemical Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits)

**Offered by:** Chemical Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

### Program Description

This program is currently not accepting applicants.

### Research Project (6 credits)

| Expand allContract all |                                  |         |
|------------------------|----------------------------------|---------|
| Course                 | Title                            | Credits |
| CHEE 695               | Project in Chemical Engineering. | 6       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| CHEE 591 | Environmental Bioremediation.      | 3       |
| CIVE 615 | Environmental Engineering Seminar. | 3       |

## Complementary Courses (22 credits)

Minimum of 22 credits

### Data analysis course (3 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| AEMA 611 | Experimental Designs 1.      | 3       |
| CIVE 555 | Environmental Data Analysis. | 3       |
| PSYC 650 | Advanced Statistics 1.       | 3       |

### Toxicology (3 credits)

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| OCCH 612 | Principles of Toxicology. | 3       |
| OCCH 616 | Occupational Hygiene.     | 3       |

### Water pollution engineering (4 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| CIVE 651 | Theory: Water / Wastewater Treatment.          | 4       |
| CIVE 652 | Bioprocesses for Wastewater Resource Recovery. | 4       |
| CIVE 660 | Chemical and Physical Treatment of Waters.     | 4       |

### Air pollution engineering (3 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEE 592 | Industrial Air Pollution Control. | 3       |
| MECH 534 | Air Pollution Engineering.        | 3       |

### Soil and water quality management (3 credits)

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| BREE 533 | Water Quality Management. | 3       |
| CIVE 686 | Site Remediation.         | 4       |

### Environmental impact (3 credits)

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| GEOG 601 | Advanced Environmental Systems Modelling. | 3       |

or an approved 500-, 600-, or 700-level alternative.

### Environmental policy (3 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| URBP 506 | Environmental Policy and Planning. | 3       |

or an approved 500-, 600-, or 700-level alternative.

## Elective Courses (11 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| CHEE 696 | Extended Project. | 6       |

or another Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval.

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| CHEE 611 | Heat and Mass Transfer.                     | 4       |
| CHEE 621 | Thermodynamics.                             | 4       |
| CHEE 631 | Foundations of Fluid Mechanics.             | 4       |
| CHEE 641 | Chemical Reaction Engineering.              | 4       |
| CHEE 651 | Advanced Biochemical Engineering.           | 4       |
| CHEE 662 | Computational Methods.                      | 4       |
| CHEE 672 | Process Dynamics and Control.               | 4       |
| CHEE 688 | Advanced Materials in Chemical Engineering. | 4       |

## Chemical Engineering (Ph.D.)

**Offered by:** Chemical Engineering (Faculty of Engineering)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in Chemical Engineering focuses on advanced materials and polymers, biomedical engineering and biotechnology, environmental engineering, energy, plasma science and artificial intelligence-assisted design and optimization. The program offers advanced training in fundamentals as well as research methods and techniques, laboratory safety and research ethics.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (4 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| CHEE 681 | Laboratory Safety 1.        | 1       |
| CHEE 682 | Laboratory Safety 2.        | 1       |
| CHEE 687 | Research Skills and Ethics. | 2       |
| CHEE 795 | Ph.D. Thesis Proposal.      | 0       |
| CHEE 796 | Ph.D. Proposal Defence.     | 0       |
| CHEE 797 | Ph.D. Seminar. 1            | 0       |
| CHEE 798 | Ph.D. Seminar 2             | 0       |

### Complementary Courses (6-12 credits)

6-12 credits at the 500 level or higher, in consultation with the supervisor and depending on student's background. May include the following:

Expand allContract all



# Civil Engineering

## About Civil Engineering

Advanced courses of instruction and laboratory facilities are available for Engineering graduate students who wish 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; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

The master's degree can be pursued as a research degree (M.Sc.-Thesis) or as a coursework-based degree (M.Eng.-Non-Thesis). The thesis degree is for those who wish to undertake research while the non-thesis degree is for those who wish to have a broader and more specialized training in civil engineering.

## Civil Engineering Admission Requirements and Application Procedures

### Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply and are detailed in Graduate Admissions and Application Procedures (p. 53). The minimum academic standard for admission is a cumulative grade point average (CGPA) of 3.0–4.0 in a recognized program. Alternatively, an equivalent grade point average of no less than 3.2–4.0 over the last two years of the program will be accepted.

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 write either:

- the TOEFL (Test of English as a Foreign Language; Applicants must achieve an overall minimum score of 94 on the internet-based test (iBT) with a minimum score of 20 for each component (i.e., Writing, Reading, Speaking, Listening); **or**
- the IELTS (International English Language Testing System); Applicants must achieve a minimum band score of 7 in order to apply.

Test results reach McGill approximately eight weeks after the test is taken; please note that it is the student's responsibility to make the necessary arrangements with the examining board to write the test in their country of residence. Full information and registration forms may be obtained by consulting the TOEFL or the IELTS websites.

Candidates must meet **both** of these requirements to be eligible to apply. Meeting minimum requirements does not guarantee admission.

The GRE is not required but is highly recommended.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply)

See Application Procedures (p. 53) for detailed application procedures.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Civil Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** Applications for Summer term admission will not be considered.

## Available Programs

- Civil Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 293)
- Civil Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits) (p. 292)
- Civil Engineering (Ph.D.) (p. 294)
- Civil Engineering (Thesis) (M.Sc.) (45 credits) (p. 292)

## Program Overview

For the **Master of Science (M.Sc.) Civil Engineering (Thesis)**, a two- to three-semester independent research project is undertaken in the field of structures; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

The **Master of Engineering (M.Eng.) Civil Engineering (Non-Thesis)** 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.

For the **Doctor of Philosophy (Ph.D.) Civil Engineering**, Research can be conducted in the fields of structures; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering.

Further information on these programs may be obtained from the Program Coordinator, Department of Civil Engineering ([gradinfo.civil@mcgill.ca](mailto:gradinfo.civil@mcgill.ca)).

## Location

Department of Civil Engineering  
Macdonald Engineering Building, Room 492  
817 Sherbrooke St. W.  
Montréal, QC H3A 0C3

Telephone: 514-398-6858  
Email: [gradinfo.civil@mcgill.ca](mailto:gradinfo.civil@mcgill.ca) (.civil@mcgill.ca)  
Website: [mcgill.ca/civil](http://mcgill.ca/civil)

## Civil Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Civil Engineering (Faculty of Engineering)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The M.Sc. in Civil Engineering focuses on structures and structural materials; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering. A two- to three-semester independent research project is undertaken in one of these fields, leading to a thesis.

### Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| CIVE 630 | Thesis Research 1. | 3       |
| CIVE 631 | Thesis Research 2. | 3       |
| CIVE 632 | Thesis Research 3. | 3       |
| CIVE 633 | Thesis Research 4. | 6       |
| CIVE 634 | Thesis Research 5. | 6       |
| CIVE 635 | Thesis Research 6. | 6       |

### Required Course (1 credit)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| CIVE 662 | Master's (Thesis) Research Seminar. | 1       |

### Complementary Courses (17 credits)

17 credits at the 500 or 600 level, with at least 8 credits at the 600 level.

## Civil Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits)

**Offered by:** Civil Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

### Program Description

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.

### 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)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| CHEE 591 | Environmental Bioremediation.      | 3       |
| CIVE 615 | Environmental Engineering Seminar. | 3       |

### Complementary Courses (24-39 credits)

a minimum of 22 credits chosen from the following:

#### Data analysis

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| AEMA 611 | Experimental Designs 1.      | 3       |
| CIVE 555 | Environmental Data Analysis. | 3       |
| PSYC 650 | Advanced Statistics 1.       | 3       |

#### Toxicology

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| OCCH 612 | Principles of Toxicology. | 3       |

#### Water pollution engineering

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| CIVE 651 | Theory: Water / Wastewater Treatment.          | 4       |
| CIVE 652 | Bioprocesses for Wastewater Resource Recovery. | 4       |
| CIVE 660 | Chemical and Physical Treatment of Waters.     | 4       |

#### Air pollution engineering

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MECH 534 | Air Pollution Engineering. | 3       |

#### Soil and water quality management

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| BREE 533 | Water Quality Management. | 3       |
| CIVE 686 | Site Remediation.         | 4       |

#### Environmental impact

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| GEOG 601 | Advanced Environmental Systems Modelling. | 3       |

## Environmental policy

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| URBP 506 | Environmental Policy and Planning. | 3       |

## 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, School of Religious Studies, Sociology, and Bieler School of Environment.

## Civil Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Civil Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

## Program Description

The MEng Non-Thesis program aims to provide a more professional orientation to graduate students. The main features of this degree program are:

- A minimum of 15 credits selected from a list of research oriented courses
- A maximum of 30 credits with emphasis on expertise (specialty area) for professional practice.

## Research Seminar (3 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| CIVE 664 | MEng (Non-thesis) Research Seminar. | 3       |

## List A: Research Courses (12-42) credits

A minimum of 12 credits from research courses, from one of the research streams: 1) Infrastructure, 2) Environmental/Hydraulics-Water Resources, and 3) Transportation.

### Infrastructure Stream

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| CIVE 512 | Advanced Civil Engineering Materials.  | 3       |
| CIVE 602 | Finite Element Analysis.               | 4       |
| CIVE 603 | Structural Dynamics.                   | 4       |
| CIVE 609 | Risk Engineering.                      | 4       |
| CIVE 623 | Durability of Construction Materials . | 4       |

## Environmental/Hydraulics-Water Resources

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| CIVE 555 | Environmental Data Analysis.          | 3       |
| CIVE 572 | Computational Hydraulics.             | 3       |
| CIVE 584 | Mechanics of Groundwater Flow.        | 3       |
| CIVE 651 | Theory: Water / Wastewater Treatment. | 4       |
| CIVE 677 | Water-Energy Sustainability.          | 4       |

## Transportation

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CIVE 540 | Urban Transportation Planning.    | 3       |
| CIVE 542 | Transportation Network Analysis.  | 3       |
| CIVE 560 | Transportation Safety and Design. | 3       |
| CIVE 609 | Risk Engineering.                 | 4       |

## List B: Other Complementary Courses from the Department (0-30 credits)

Courses from List A that are not used to fulfill the 15 credits requirement of Research Courses can be used also as complementary courses.

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| CIVE 507 | Wind Engineering.                                       | 3       |
| CIVE 520 | Groundwater Hydrology.                                  | 3       |
| CIVE 521 | Nanomaterials and the Aquatic Environment.              | 3       |
| CIVE 527 | Renovation and Preservation: Infrastructure.            | 3       |
| CIVE 528 | Design of Wood Structures.                              | 3       |
| CIVE 543 | System Dynamics for Civil and Environmental Engineering | 3       |
| CIVE 550 | Water Resources Management.                             | 3       |
| CIVE 557 | Microbiology for Environmental Engineering.             | 3       |
| CIVE 561 | Greenhouse Gas Emissions.                               | 3       |
| CIVE 570 | Solar Driven Environmental Processes and Technologies   | 3       |
| CIVE 573 | Hydraulic Structures.                                   | 3       |
| CIVE 574 | Fluid Mechanics of Water Pollution.                     | 3       |
| CIVE 577 | River Engineering.                                      | 3       |
| CIVE 604 | Theory of Plates and Shells.                            | 4       |
| CIVE 605 | Stability of Structures.                                | 4       |
| CIVE 607 | Advanced Design in Steel.                               | 4       |
| CIVE 612 | Earthquake-Resistant Design.                            | 4       |
| CIVE 614 | Composites for Construction.                            | 4       |
| CIVE 615 | Environmental Engineering Seminar.                      | 3       |
| CIVE 616 | Nonlinear Structural Analysis for Buildings.            | 4       |
| CIVE 617 | Bridge Engineering.                                     | 4       |

|          |                                                |   |
|----------|------------------------------------------------|---|
| CIVE 622 | Design of Prestressed Concrete Structures      | 4 |
| CIVE 625 | Condition Assessment of Existing Structures.   | 4 |
| CIVE 628 | Advanced Design of Wood Buildings .            | 4 |
| CIVE 652 | Bioprocesses for Wastewater Resource Recovery. | 4 |
| CIVE 660 | Chemical and Physical Treatment of Waters.     | 4 |
| CIVE 661 | Modelling of Transportation Emissions.         | 4 |
| CIVE 663 | Environmental Fate of Organic Chemicals.       | 4 |
| CIVE 683 | Advanced Foundation Design.                    | 4 |
| CIVE 686 | Site Remediation.                              | 4 |

## Complementary Courses

6-8 credits at the 500 or 600 level taken from the Department of Civil Engineering.

## Project Courses (0 or 5-15 credits)

Credits for a program may vary, depending on the amount of work involved. Project courses are chosen from the following:

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| CIVE 691 | Research Project 1. | 1       |
| CIVE 692 | Research Project 2. | 2       |
| CIVE 693 | Research Project 3. | 3       |
| CIVE 694 | Research Project 4. | 4       |
| CIVE 695 | Research Project 5. | 5       |
| CIVE 696 | Research Project 6. | 6       |
| CIVE 697 | Research Project 7. | 7       |

Graduate courses from other McGill Engineering Departments are also allowed as complementary courses. A maximum of 1/3 of coursework credits can be taken outside McGill. Approval is required from the Department in both cases.

## Civil Engineering (Ph.D.)

**Offered by:** Civil Engineering (Faculty of Engineering)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| CIVE 701 | Ph.D. Comprehensive Examination. | 0       |
| CIVE 702 | Ph.D. Research Proposal.         | 0       |

# Electrical and Computer Engineering

## About Electrical and Computer Engineering

The Department offers graduate programs leading to a **Master of Science** (thesis), **Master of Engineering** (course-based or with a concentration in Applied Artificial Intelligence), or **Doctor of Philosophy**.

The research interests and facilities of the Department are very extensive, involving more than 45 faculty members and 350 graduate students. The major activities are divided into the following groups:

- Bioelectrical Engineering
- Telecommunications and Signal Processing
- Systems and Control
- Integrated Circuits and Systems
- Nano-Electronic Devices and Materials
- Photonic Systems
- Computational Electromagnetics
- Power Engineering
- Intelligent Systems
- Software Engineering

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 Centre for Intelligent Machines (CIM) is an interdisciplinary research group focused on intelligent systems. Its laboratories include research in the domains of robotics, systems and control, computer vision, medical imaging, computer graphics, and machine learning.
- Telecommunications laboratories focus their work on signal processing, broadband communications, and networking; these laboratories form part of the Centre for Systems, Technologies and Applications for Radiofrequency and Communications (STARaCOM), a McGill University Research Centre devoted to fostering innovation in the area of communications systems and technologies via advanced research and training of highly qualified personnel.
- The Integrated Microsystems Laboratory (iML) 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 Group includes experimental laboratories with high-speed test and measurement equipment and optoelectronics; tunable, high power, and pulsed lasers; extensive optics and optomechanics supporting research in telecommunications for advance probing stations; signal processing, nonlinear optics, RF photonics, optical processors for computing and AI, and biosensing.
- Molecular beam epitaxy infrastructure. This infrastructure can grow wafer-scale group-III nitride epilayers and nanostructures for both photonic/optoelectronic and electronic devices.
- The Computational Electromagnetics Laboratory provides tools for numerical analysis, visualization, interface design, and knowledge-based system development.
- For the microwave characterization research, one section of the laboratory hosts dielectric measurement probe in for the low- to high-gigahertz range.
- Additionally, access to a complete range of commercial multi-physics simulation, design, and optimization software is available. The Power Engineering lab also has experimental facilities for the characterization of magnetic and small dynamometer for electrical machine measurements.
- Computing infrastructure for software engineering research is also available.

The Department has extensive computer facilities. Most research machines are networked, providing access to a vast array of hardware and software. In addition, McGill University is linked to the Centre de recherche informatique de Montréal (CRIM) and the University Computing Centre.

There are several other universities in Montreal offering graduate-level engineering degrees: Concordia University; *l'Université de Montréal and its affiliated school of engineering*; Polytechnique Montréal; *l'Université du Québec, which includes l'École de technologies supérieure (ETS)*; and *l'Institut national de la recherche scientifique (INRS)*.

The proximity of these schools to McGill University ensures that 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 recherche d'Hydro-Québec (IREQ) and l'Institut national de la recherche scientifique (INRS).

## Financial Support

**Graduate Assistantship:** The Department awards several graduate assistantship 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 assistantship; all applicants who indicate a need for support on their application forms will be considered.

**Teaching Assistantship:** Graduate students, with the approval of their supervisors, may also undertake teaching assistantship 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. More information is available through the Graduate Funding site, or by contacting:

Graduate and Postdoctoral Studies, McGill University  
James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [mcgill.ca/gps/contact/gps](http://mcgill.ca/gps/contact/gps)

## Electrical and Computer Engineering Admission Requirements and Application Procedures

### 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 department's website. Official results must be received before the application deadlines.

**GRE:** Submission of GRE (General Aptitude Test) scores is not mandatory. Applicants who have written the GRE are welcome to submit their scores for consideration.

### Master's Degree Admission Requirements

The applicant must be the graduate of a recognized university and hold a bachelor's degree or its equivalent, as determined by McGill, in Electrical, Computer, or Software Engineering or a closely related field. An applicant holding a degree in another field of engineering or science will be considered but a Qualifying year may be required to make up any deficiencies. The applicant must have a high academic achievement: a Standing equivalent to a cumulative grade point average (CGPA) of 3.0/4.0, or a GPA of 3.2/4.0 for the last two full-time academic years or equivalent. Satisfaction of these general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is highly competitive.

### Ph.D. Degree Admission Requirements

In addition to satisfying the requirements for the Master's 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 3.0/4.0. Satisfaction of these general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is highly competitive.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations and Resources (p. 11) > *Graduate > Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

The Department accepts most of its graduate students for September; the chance of acceptance for January is significantly lower.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Area of Research and Applicant Profile Form (for M.Sc. and Ph.D. program applicants)
- Area of Interest and Profile Form (for M.Eng. course-based and M.Eng. Applied AI applicants)
- GRE – the General Aptitude Test is optional.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Electrical and Computer Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

| Term                | Application Opening Dates for All Applicants | Non-Canadian citizens (Incl. Special, Visiting, and Exchange) Application Deadline | Canadian Citizens/Perm. Residents of Canada (Incl. Special, Visiting, and Exchange) Application Deadline | Current McGill Students (Any Citizenship) Application Deadline |
|---------------------|----------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Fall Term:</b>   | Sept. 15                                     | Dec. 15                                                                            | Dec. 15 <sub>1</sub>                                                                                     | Dec. 15 <sub>1</sub>                                           |
| <b>Winter Term:</b> | Feb. 15                                      | Aug. 1                                                                             | Oct. 15                                                                                                  | Oct. 15                                                        |
| <b>Summer Term:</b> | N/A                                          | N/A                                                                                | N/A                                                                                                      | N/A                                                            |

- 1 Domestic applicants who wish to be considered for Faculty of Engineering awards must apply by August 1.

All supporting documents must be uploaded to the online application system by the application deadlines.

## Available Programs

- Electrical Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 297)
- Electrical Engineering (Non-Thesis): Applied Artificial Intelligence (M.Eng.) (45 credits) (p. 298)
- Electrical Engineering (Ph.D.) (p. 297)
- Electrical Engineering (Thesis) (M.Sc.) (45 credits) (p. 297)

## Program Overview

The Department offers programs of graduate studies leading to a degree of **Master of Science** (thesis), **Master of Engineering** (non-thesis/course-based, or Applied Artificial Intelligence concentration), or **Doctor of Philosophy**:

**Master of Science in Electrical Engineering (Thesis)** 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.

The **Master of Engineering in Electrical Engineering; Non-Thesis program** is a professional course-based program of 45 credits. The program provides a solid background in electrical and computer engineering, both in terms of breadth across the entire field and depth in the area of specialty. The program structure allows students to complete the program in three semesters. A part-time program is possible.

The **Master of Engineering in Electrical Engineering; Non-Thesis Applied Artificial Intelligence** is a professional program of 45 credits.

The program provides the foundation for applications of Artificial Intelligence (AI) techniques and experience building an AI system in various fields of interest. The program may be completed on a part-time basis.

The **Electrical Engineering Ph.D.** 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.

## Location

Department of Electrical and Computer Engineering  
McConnell Engineering Building, Room 602  
3480 University St.  
Montréal, QC H3A 0E9

Telephone: 514-398-7344 or 514-398-1406  
Email: grad.ece@mcgill.ca  
Website: mcgill.ca/ece

## Electrical Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Electrical & Computer Engr (Faculty of Engineering)  
**Degree:** Master of Science  
**Program credit weight:** 45

### Program Description

The Master of Science in Electrical Engineering (Thesis) 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.

The M.Sc. Thesis program must be completed on a full-time basis in no more than three years. The following requirements must be met.

### Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| ECSE 691 | Thesis Research 1. | 3       |
| ECSE 692 | Thesis Research 2. | 4       |
| ECSE 693 | Thesis Research 3. | 4       |
| ECSE 694 | Thesis Research 4. | 4       |
| ECSE 695 | Thesis Research 5. | 4       |
| ECSE 696 | Thesis Research 6. | 4       |
| ECSE 697 | Thesis Research 7. | 4       |

Students who choose the thesis option must register for all 27 credits during the three terms of residency.

## Complementary Courses (18 credits)

18 credits of 500-, 600-, or 700-level courses, of which no more than 6 credits may be outside the Department.

1 Non-departmental courses require Departmental approval. Students may be allowed to take more than 6 credits of non-Departmental courses; a letter of recommendation from their supervisor outlining the reason for such an action is required.

## Electrical Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Electrical & Computer Engr (Faculty of Engineering)  
**Degree:** Master of Engineering  
**Program credit weight:** 45

### Program Description

The Master of Engineering in Electrical Engineering; Non-Thesis program is a professional course-based program of 45 credits. The program provides a solid background in electrical and computer engineering, both in terms of breadth across the entire field and depth in the area of specialty. The program structure allows students to complete the program in three semesters. A part-time program is possible.

## Complementary Courses (45 credits)

Full-time students must complete the program in three years.

45 credits of 500- or 600- courses, of which no more than 16 credits may be outside the Department. Students may not take Thesis Research courses - ECSE 691 to ECSE 697.

\* Non-departmental courses require Departmental Approval. In exceptional circumstances and with proper justification, students may be permitted to take more than 16 credits of non-Departmental courses; approval from the Graduate Program Director or delegate is required.

## Electrical Engineering (Ph.D.)

**Offered by:** Electrical & Computer Engr (Faculty of Engineering)

Degree: Doctor of Philosophy

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses

| Expand all | Contract all                  |  |         |  |
|------------|-------------------------------|--|---------|--|
| Course     | Title                         |  | Credits |  |
| ECSE 701   | Ph.D. Qualifying Examination. |  | 0       |  |
| ECSE 702   | Ph.D. Research Plan Proposal. |  | 0       |  |
| ECSE 703   | Doctoral Research Seminar.    |  | 0       |  |

In addition to the successful completion of the required courses above, students must complete the courses prescribed by the student's Supervisory Committee.

Electrical Engineering (Non-Thesis): Applied Artificial Intelligence (M.Eng.) (45 credits)

Offered by: Electrical & Computer Engr (Faculty of Engineering)  
Degree: Master of Engineering  
Program credit weight: 45

Program Description

The Master of Engineering in Electrical Engineering; Non-Thesis-Applied Artificial Intelligence is a professional program of 45 credits. The program provides the foundation for applications of Artificial Intelligence (AI) techniques and experience building an AI system in various fields of interest. The program may be completed on a part-time basis.

Required Courses (14 credits)

| Expand all | Contract all                                |  |         |  |
|------------|---------------------------------------------|--|---------|--|
| Course     | Title                                       |  | Credits |  |
| ECSE 551   | Machine Learning for Engineers.             |  | 4       |  |
| ECSE 552   | Deep Learning.                              |  | 4       |  |
| ECSE 679D1 | Project in Applied Artificial Intelligence. |  | 3       |  |
| ECSE 679D2 | Project in Applied Artificial Intelligence. |  | 3       |  |

Complementary Courses

(18-24 credits)

Group A: Artificial Intelligence Focused

6-8 credits from the following:

| Expand all | Contract all                                   |  |         |  |
|------------|------------------------------------------------|--|---------|--|
| Course     | Title                                          |  | Credits |  |
| ECSE 526   | Artificial Intelligence.                       |  | 3       |  |
| ECSE 555   | Advanced Topics in Artificial Intelligence.    |  | 4       |  |
| ECSE 556   | Machine Learning in Network Biology.           |  | 4       |  |
| ECSE 557   | Introduction to Ethics of Intelligent Systems. |  | 3       |  |
| ECSE 626   | Statistical Computer Vision.                   |  | 4       |  |
| ECSE 683   | Topics in Vision and Robotics.                 |  | 4       |  |

Group B: Mathematical Foundations of Artificial Intelligence

3-4 credits from the following:

| Expand all | Contract all                                 |  |         |  |
|------------|----------------------------------------------|--|---------|--|
| Course     | Title                                        |  | Credits |  |
| COMP 540   | Matrix Computations.                         |  | 4       |  |
| ECSE 500   | Mathematical Foundations of Systems.         |  | 3       |  |
| ECSE 501   | Linear Systems.                              |  | 3       |  |
| ECSE 507   | Optimization and Optimal Control.            |  | 3       |  |
| ECSE 509   | Probability and Random Signals 2.            |  | 3       |  |
| ECSE 543   | Numerical Methods in Electrical Engineering. |  | 3       |  |
| ECSE 621   | Statistic Detection and Estimation.          |  | 4       |  |

Group C: Applications of Artificial Intelligence

9-12 credits from the following:

| Expand all | Contract all                                        |  |         |  |
|------------|-----------------------------------------------------|--|---------|--|
| Course     | Title                                               |  | Credits |  |
| COMP 545   | Natural Language Understanding with Deep Learning . |  | 4       |  |
| COMP 549   | Brain-Inspired Artificial Intelligence.             |  | 3       |  |
| COMP 558   | Fundamentals of Computer Vision.                    |  | 4       |  |
| COMP 565   | Machine Learning in Genomics and Healthcare.        |  | 4       |  |
| COMP 579   | Reinforcement Learning.                             |  | 4       |  |
| COMP 585   | Intelligent Software Systems .                      |  | 4       |  |
| COMP 588   | Probabilistic Graphical Models.                     |  | 4       |  |
| COMP 685   | Machine Learning Applied to Climate Change.         |  | 4       |  |
| ECSE 506   | Stochastic Control and Decision Theory.             |  | 3       |  |
| ECSE 508   | Multi-Agent Systems.                                |  | 3       |  |
| ECSE 541   | Design of Multiprocessor Systems-on-Chip.           |  | 3       |  |
| ECSE 544   | Computational Photography.                          |  | 4       |  |
| ECSE 546   | Advanced Image Synthesis.                           |  | 4       |  |
| ECSE 554   | Applied Robotics .                                  |  | 4       |  |
| MECH 559   | Engineering Systems Optimization.                   |  | 3       |  |

Elective Courses

(7-13 credits)

7-13 credits at the 500 or 600 level (excluding ECSE 691 to ECSE 697)

\* No more than 16 credits in total may be outside the Department. With the exception of courses in the Complementary Courses list, non-departmental courses require Departmental Approval. In exceptional circumstances and with proper justification, students may be permitted to take more than 16 credits of non-Departmental courses; approval from the Graduate Program Director or delegate is required.

# Mechanical Engineering

## 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 recently renovated Macdonald Engineering Building. 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 and Hospital (MNI). The research interests within the Department are very broad and fall largely within the following seven areas:

- Aerodynamics and fluid mechanics
- Biomechanics
- Combustion and energy systems
- Design and manufacturing
- Dynamics and control
- Materials and structures
- Vibrations, acoustics, and fluid-structure

Within these areas, specific topics of research are given in the following:

### Aerodynamics and Fluid Mechanics

Experimental fluid mechanics and aerodynamics, aeroelasticity, and aeroacoustics; theoretical fluid mechanics; turbulence; mixing in turbulent flows; fluid flow control; fluid-structure interactions; computational fluid dynamics, multidisciplinary optimization, and computer flow visualization; heat transfer; combustion, shock wave physics, energetic materials, high-speed reacting flows, hypersonic propulsion, and alternative fuels.

### Biomechanics

Biomechanics, biomaterials, blood and respiratory flows, mechanics of soft tissues, cardiovascular devices, image processing for medical diagnostics, and voice production.

### Combustion and Energy Systems

Combustion, shock wave physics, heat transfer, and compressible gas dynamics.

### Design and Manufacturing

Design theory and methodology, design optimization; biomimetics; machine tools and systems, manufacturing processes, and management and control; micro/nano machining; and wear and comminution processes.

### Dynamics and Control

Multibody systems, legged and wheeled vehicles, compliant mechanisms, and kinematic geometry; tethered systems, lighter-

than-air craft, and underwater vehicles; spacecraft dynamics and space robotics; modelling and simulation; fluid-structure interactions, nonlinear and chaotic dynamics; dynamics of bladed assemblies.

### Materials and Structures

Composite materials; structural design, analysis, manufacturing, and processing; micro/nano mechanics; MEMS/NEMS; adaptronic structures; thermomechanics, wave propagation, and computational mechanics.

### Vibrations, Acoustics, and Fluid-Structure

Vibrations, acoustics, and fluid-structure interaction.

## Mechanical Engineering Admission Requirements and Application Procedures

### 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.Sc. (Thesis) program must hold an undergraduate degree (or equivalent) in Engineering or a degree in Physical, Math, or Computer Sciences.

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 must be proficient in French.

Applicants to the Ph.D. program must have successfully completed a master's degree program (or equivalent) in Engineering or the Physical Sciences. In exceptional circumstances, students with outstanding performance at the bachelor's level may be offered direct entry into the Ph.D. program (Ph.D. 1).

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 a minimum overall band of 7.0 on the IELTS test.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations and Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.



Please consult [mcgill.ca/mecheng/grad](http://mcgill.ca/mecheng/grad) for further details on required application documents.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- two official referee letters
- personal statement—one page
- curriculum vitae—please include a list of publications, if relevant

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Mechanical Engineering and may be revised at any time. Applicants must verify all deadlines and additional documentation requirements well in advance on the Department of Mechanical Engineering website.

Information on application procedures and deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### Available Programs

- Aerospace Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 302)
- Mechanical Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 302)
- Mechanical Engineering (Ph.D.) (p. 302)
- Mechanical Engineering (Thesis) (M.Sc.) (45 credits) (p. 301)

## Program Overview

The Department offers programs of study leading to the M.Sc. and Ph.D. degrees in Mechanical Engineering. Both M.Sc. and M.Eng. programs are offered.

There are several options for completing master's degrees that do not involve the completion of a thesis. The M.Eng. 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.

The **M.Eng. in Aerospace Engineering** is offered to students who wish to specialize in the general area of aerospace engineering. This degree is given in conjunction with Concordia University, Polytechnique Montréal, the Université Laval, the Université de Sherbrooke, and the 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 for 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 Aerospace Engineering (M.Eng.) program requires both coursework and 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 Aerospace Engineering (M.Eng.) 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 three areas:

1. Aeronautics and Space Engineering
2. Avionics and Control
3. Aerospace Materials and Structures

## Location

Department of Mechanical Engineering  
Macdonald Engineering Building  
817 Sherbrooke St. W., Room MD-270  
Montréal, QC H3A 0C3

Telephone: 514-398-8869 or 514-398-6281

Fax: 514-398-7365

Email: [grad.mecheng@mcgill.ca](mailto:grad.mecheng@mcgill.ca)

Website: [mcgill.ca/mecheng/grad](http://mcgill.ca/mecheng/grad)

## Mechanical Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Mechanical Engineering (Faculty of Engineering)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Mechanical Engineering is a research-oriented program that focuses on planning and conducting research as well as organizing and presenting research results, supervised by one or more professors who are experts in the field.

## Thesis Courses (28 credits)

Expand all Contract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| MECH 691 | M.Sc. Thesis Literature Review. <sup>1</sup> | 3       |
| MECH 692 | M.Sc. Thesis Research Proposal.              | 4       |
| MECH 693 | M.Sc. Thesis Progress Report 1.              | 3       |
| MECH 694 | M.Sc. Thesis Progress Report 2.              | 6       |
| MECH 695 | M.Sc. Thesis.                                | 12      |

<sup>1</sup> MECH 691 M.Sc. Thesis Literature Review. must be completed in the first term of the student's program.

## Required Course (1 credit)

Expand allContract all

| Course   | Title    | Credits |
|----------|----------|---------|
| MECH 609 | Seminar. | 1       |

## Complementary Courses (16 credits)

A minimum of 16 credits (500, 600, or 700 level) from the Faculty of Engineering or Faculty of Science, at least 8 of which must be from within the Faculty of Engineering. FACC courses will not count toward the complementary course credits.

## Mechanical Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Mechanical Engineering (Faculty of Engineering)**Degree:** Master of Engineering**Program credit weight:** 45

### Program Description

The Master of Engineering in Mechanical Engineering; Non-Thesis program is a course-based program of 45 credits. The program provides a solid background in mechanical engineering, both in terms of breadth across the entire field and depth in the area of specialty.

### Research Project (13 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| MECH 603 | M. Eng. Project 1. | 9       |
| MECH 604 | M. Eng. Project 2. | 3       |
| MECH 609 | Seminar.           | 1       |

Note: Industrial liaison is encouraged in these courses taken near the end of the program.

### Required Courses (16 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MECH 605 | Applied Mathematics 1.           | 4       |
| MECH 610 | Fundamentals of Fluid Dynamics.  | 4       |
| MECH 632 | Advanced Mechanics of Materials. | 4       |
| MECH 642 | Advanced Dynamics.               | 4       |

### 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.

## Aerospace Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Mechanical Engineering (Faculty of Engineering)**Degree:** Master of Engineering**Program credit weight:** 45

### Program Description

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, Polytechnique de Montréal, 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 three areas:

1. Aeronautics and Space Engineering
2. Avionics and Control
3. Aerospace Materials and Structures

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| MECH 687 | Aerospace Case Studies. | 3       |
| MECH 688 | Industrial Stage.       | 6       |

### 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.

## Mechanical Engineering (Ph.D.)

**Offered by:** Mechanical Engineering (Faculty of Engineering)**Degree:** Doctor of Philosophy

### Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate

ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| MECH 700 | Ph.D. Literature Review.                          | 0       |
| MECH 701 | Ph.D. Thesis Proposal.                            | 0       |
| MECH 702 | Ph.D. Comprehensive Preliminary Oral Examination. | 0       |

# Mining and Materials Engineering

## About Mining and Materials Engineering

### Mining Engineering

- Geomechanics
- Mining Environments
- Strategic Mine Planning and Optimization
- Stochastic Modelling
- Operations Research
- Rock Mechanics
- Mine Safety
- Mine Ventilation
- Renewable Energy
- Mineral Economics
- Materials Handling
- Environmental Engineering

### Materials Engineering

- Process Metallurgy
- Computational Thermodynamics
- Effluent and Waste Treatment
- Mineral Processing
- Metal Casting and CFD Modelling
- Surface Engineering and Coatings
- Additive Manufacturing and Powder Metallurgy
- Ceramics
- Electron Microscopy
- Automotive and Aerospace Materials
- Biomaterials
- Nanomaterials and Nanoelectronic Materials
- Multiscale Modelling of Materials
- Electronic and Solar Cell Materials
- Environmental Engineering

### Research Degrees

#### Master of Science (M.Sc.) Materials Engineering (Thesis) (45 credits) (p. 305)

Please consult the Department for more information about the M.Sc. Materials Engineering (Thesis) program.

#### Master of Science (M.Sc.) Mining Engineering (Thesis) (45 credits) (p. 306)

Please consult the Department for more information about the M.Sc. Mining Engineering (Thesis) program.

### 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:

1. an excellent Academic Standing for their undergraduate degree;
2. been in the master's program for less than 12 months;

3. 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. made good progress with their research;
5. obtained a strong letter of recommendation from their supervisor.

### Direct Entry from B.Eng. to Ph.D.

Exceptional B.Eng. and B.Sc. 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

#### Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis) (45 credits) (p. 306)

Please consult the Department for more information about the M.Eng. Materials Engineering (Project) program.

#### Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis): Environmental Engineering (45 credits) (p. 306)

Please consult the Department for more information about the M.Eng. Materials Engineering (Non-Thesis) program.

#### Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis) (45 credits) (p. 307)

Please consult the Department for more information about the M.Eng. Mining Engineering (Project) program.

#### Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis): Environmental Engineering (45 credits) (p. 308)

Please consult the Department for more information about the M.Eng. Mining Engineering (Non-Thesis) program.

#### Doctor of Philosophy (Ph.D.) Materials Engineering (p. 309)

Please consult the Department for more information about the Ph.D.

#### Doctor of Philosophy (Ph.D.) Mining Engineering (p. 309)

Please consult the Department for more information about the Ph.D.

#### Graduate Diploma (Gr. Dip.) Mining Engineering (30 credits) (p. 309)

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.

## Mining and Materials Engineering Admission Requirements and Application Procedures

### 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.Sc. (Thesis)** degree is open to graduates holding the B.Eng. degree or its equivalent in Materials Engineering, Mining Engineering or

other related engineering fields, or B.Sc. degree in Chemistry, Materials Science, Physics, Geology, or related fields.

The **Master of Engineering (Project) (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) (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 complete a Qualifying term. Industrial experience is favourably viewed for entrance into the program, but is not considered a necessity.

The **Master of Engineering (Project) (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, who are admitted to Ph.D. 2.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Mining and Materials Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Materials Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 306)
- Materials Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits) (p. 306)
- Materials Engineering (Ph.D.) (p. 309)
- Materials Engineering (Thesis) (M.Sc.) (45 credits) (p. 305)
- Mining Engineering (Gr. Dip.) (30 credits) (p. 309)
- Mining Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 307)
- Mining Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits) (p. 308)

- Mining Engineering (Ph.D.) (p. 309)
- Mining Engineering (Thesis) (M.Sc.) (45 credits) (p. 306)

## Location

Department of Mining and Materials Engineering  
M.H. Wong Building  
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Montréal, QC H3A 0C5

Email: [barbara.hanley@mcgill.ca](mailto:barbara.hanley@mcgill.ca)  
Website: [mcgill.ca/minmat](http://mcgill.ca/minmat)

Mining Engineering  
Telephone: 514-398-2215  
Fax: 514-398-7099

Materials Engineering  
Telephone: 514-398-4383  
Fax: 514-398-4492

## Materials Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The M.Sc. in Materials Engineering (Thesis) is a research-oriented program that focuses on research skills and knowledge of materials engineering through coursework and a research thesis under the supervision of a Faculty member (professor). Emphasis is placed on research methods, as well as fundamentals. As such, the program is the more suitable option for those whose primary interest is research. The M.Sc. (Thesis) is for candidates with a Bachelor's degree in Engineering or from a discipline relevant to materials engineering.

## Thesis Courses (27 credits)

Expand all Contract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| MIME 690 | Thesis Research 1. | 6       |
| MIME 691 | Thesis Research 2. | 3       |
| MIME 692 | Thesis Research 3. | 6       |
| MIME 693 | Thesis Research 4. | 3       |
| MIME 694 | Thesis Research 5. | 6       |
| MIME 695 | Thesis Research 6. | 3       |

## Required Courses (9 credits)

Expand all Contract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| MIME 601   | Engineering Laboratory Practice. | 0       |
| MIME 610D1 | Master's Foundation Course.      | 1.5     |
| MIME 610D2 | Master's Foundation Course.      | 1.5     |
| MIME 670   | Research Seminar 1.              | 6       |



## Complementary Courses (9 credits)

9 credits at the 500-level or higher selected from within and/or outside the Department in consultation with the student's supervisor and/or Advisory Committee.

## Mining Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Mining Engineering focuses on both fundamental and applied research. A two- to three-semester independent research project, leading to a thesis, is undertaken in any research area of mining science, engineering or technology, as well as closely related fields.

## Thesis Courses (27 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| MIME 690 | Thesis Research 1. | 6       |
| MIME 691 | Thesis Research 2. | 3       |
| MIME 692 | Thesis Research 3. | 6       |
| MIME 693 | Thesis Research 4. | 3       |
| MIME 694 | Thesis Research 5. | 6       |
| MIME 695 | Thesis Research 6. | 3       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MIME 601 | Engineering Laboratory Practice. | 0       |

6 credits from:

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MIME 673 | Mining Engineering Seminar. | 6       |

## Complementary Courses (12 credits)

12 credits at the 500-level or higher selected from within and/or outside the Department in consultation with the student's supervisor and/or Advisory Committee.

## Materials Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

## Program Description

The Master of Engineering in Materials Engineering: Non-Thesis program is primarily designed to train people with appropriate engineering or scientific background to allow them to work effectively in the materials industries.

## Research Project (15 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MIME 680 | Materials Engineering Project 1. | 6       |
| MIME 681 | Materials Engineering Project 2. | 6       |
| MIME 682 | Materials Engineering Project 3. | 3       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MIME 601 | Engineering Laboratory Practice. | 0       |
| MIME 670 | Research Seminar 1.              | 6       |

## Complementary Courses (24 credits)

12 credits of MIME courses at the 500 level or higher.

12 credits of courses at the 500 level or higher from within and/or outside the Department in consultation with the Program Adviser.

## Materials Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

## Program Description

This interdepartmental graduate option leads to a Master of Engineering (M.Eng.) Materials Engineering: Non-Thesis-Environmental Engineering. The objective of the option is to train environmental professionals at an advanced level. The program is designed for individuals with an undergraduate degree in engineering. The Environmental Engineering option 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.

## Research Project (6 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MIME 680 | Materials Engineering Project 1. | 6       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| CHEE 591 | Environmental Bioremediation.      | 3       |
| CIVE 615 | Environmental Engineering Seminar. | 3       |

## Complementary Courses (22 credits)

(minimum 22 credits)

### Data Analysis Course

One of the following courses:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| AEMA 611 | Experimental Designs 1.      | 3       |
| CIVE 555 | Environmental Data Analysis. | 3       |
| PSYC 650 | Advanced Statistics 1.       | 3       |

### Toxicology Course

One of the following courses:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| OCCH 612 | Principles of Toxicology. | 3       |
| OCCH 616 | Occupational Hygiene.     | 3       |

### Water Pollution Engineering Course

One of the following courses:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| CIVE 651 | Theory: Water / Wastewater Treatment.          | 4       |
| CIVE 652 | Bioprocesses for Wastewater Resource Recovery. | 4       |
| CIVE 660 | Chemical and Physical Treatment of Waters.     | 4       |

### Air Pollution Engineering Course

One of the following courses:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEE 592 | Industrial Air Pollution Control. | 3       |
| MECH 534 | Air Pollution Engineering.        | 3       |

### Soil and Water Quality Management Course

One of the following courses:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| BREE 533 | Water Quality Management. | 3       |
| CIVE 686 | Site Remediation.         | 4       |

### Environmental Impact Course

One of the following courses:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| GEOG 601 | Advanced Environmental Systems Modelling. | 3       |

or an approved 500-, 600-, or 700-level alternative.

### Environmental Policy Course

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| URBP 506 | Environmental Policy and Planning. | 3       |

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 Materials Engineering is the following:

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MIME 681 | Materials Engineering Project 2. | 6       |

## Mining Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

### Program Description

The Master of Engineering in Mining: Non-Thesis program 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.

### Research Project (15 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MIME 628 | Mineral Engineering Project 1. | 6       |
| MIME 629 | Mineral Engineering Project 2. | 6       |
| MIME 634 | Mineral Engineering Project 3. | 3       |

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MIME 601 | Engineering Laboratory Practice. | 0       |
| MIME 673 | Mining Engineering Seminar.      | 6       |

## Complementary (24 credits)

12 credits of MIME courses at the 500 level or higher.

12 credits of courses at the 500 level or higher from within and/or outside the Department in consultation with the Program Advisor.

## Mining Engineering (Non-Thesis): Environmental Engineering (M.Eng.) (45 credits)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

## Program Description

Students are strongly encouraged to consult with the Graduate Program Director prior to enrolling in the program.

The M.Eng. in Mining Engineering; Non-Thesis - Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspectives, and awareness of environmental issues.

## Research Project (6 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MIME 628 | Mineral Engineering Project 1. | 6       |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| CHEE 591 | Environmental Bioremediation.      | 3       |
| CIVE 615 | Environmental Engineering Seminar. | 3       |

## Complementary Courses (22 credits)

(minimum 22 credits)

### Data Analysis Course

3 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| AEMA 611 | Experimental Designs 1.      | 3       |
| CIVE 555 | Environmental Data Analysis. | 3       |
| PSYC 650 | Advanced Statistics 1.       | 3       |

### Toxicology Course

3 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| OCCH 612 | Principles of Toxicology. | 3       |
| OCCH 616 | Occupational Hygiene.     | 3       |

### Water Pollution Engineering Course

4 credits from the following:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| CIVE 651 | Theory: Water / Wastewater Treatment.          | 4       |
| CIVE 652 | Bioprocesses for Wastewater Resource Recovery. | 4       |
| CIVE 660 | Chemical and Physical Treatment of Waters.     | 4       |

### Air Pollution Engineering Course

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEE 592 | Industrial Air Pollution Control. | 3       |
| MECH 534 | Air Pollution Engineering.        | 3       |

### Soil and Water Quality Management Course

3-4 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| BREE 533 | Water Quality Management. | 3       |
| CIVE 686 | Site Remediation.         | 4       |

### Environmental Impact Course

3 credits from the following:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| GEOG 601 | Advanced Environmental Systems Modelling. | 3       |

or an approved 500-, 600-, or 700-level alternative.

### Environmental Policy Course

3 credits from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| URBP 506 | Environmental Policy and Planning. | 3       |

or 3 credits approved at the 500-, 600-, or 700-level alternative.

## Elective Courses (10-11 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 Engineering is the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MIME 629 | Mineral Engineering Project 2. | 6       |

# Materials Engineering (Ph.D.)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Degree:** Doctor of Philosophy

## Program Description

Candidates for this degree must complete a minimum of two lecture courses assigned by the Department, selected on the basis of previous academic training and research interests. Candidates must also pass a safety training course, participate in an appropriate Research Seminar course, and take a preliminary examination within their first year of Ph.D. study.

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand allContract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| MIME 601   | Engineering Laboratory Practice. | 0       |
| MIME 701   | Ph.D. Thesis Research Proposal.  | 0       |
| MIME 703   | Ph.D. Comprehensive Exam.        | 0       |
| MIME 710D1 | Ph.D. Foundation Course.         | 1.5     |
| MIME 710D2 | Ph.D. Foundation Course.         | 1.5     |
| MIME 771   | Research Seminar 2.              | 6       |

## Complementary Courses (6 credits)

6 credits of courses at the 500 level or higher, approved by their supervisor.

## Mining Engineering (Ph.D.)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Degree:** Doctor of Philosophy

## Program Description

Candidates for this degree must complete a minimum of two lecture courses assigned by the Department, selected on the basis of previous academic training and research interests. Candidates must also pass a safety training course, participate in an appropriate Research Seminar course and, take a preliminary examination within their first year of Ph.D. study.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| MIME 601 | Engineering Laboratory Practice.                        | 0       |
| MIME 702 | Ph.D. Preliminary Examination .                         | 0       |
| MIME 704 | Ph.D. Comprehensive Examination in Mining Engineering . | 0       |
| MIME 776 | Ph.D. Research Seminar.                                 | 6       |

## Complementary Courses (6 credits)

6 credits of courses at the 500 level or higher, approved by their supervisor.

## Mining Engineering (Gr. Dip.) (30 credits)

**Offered by:** Mining & Materials Engineering (Faculty of Engineering)

**Program credit weight:** 30

## Program Description

The Graduate Diploma is a one-year, course-based, 30-credit program in Mining Engineering. The program offers professional development education in mining engineering in a formal manner.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MIME 601 | Engineering Laboratory Practice. | 0       |
| MIME 673 | Mining Engineering Seminar.      | 6       |

## Complementary Courses (24 credits)

24 credits of courses at the 500 level or higher selected from within and/or outside the department in consultation with the Program Advisor.

# Trottier Institute for Sustainability in Engineering and Design (TISED)

## About TISED

Established in 2012 through a gift from the Trottier Family Foundation, TISED supports research and offers courses on sustainability in engineering and design at the Faculty of Engineering and informs and educates decision-makers and the public about sustainability issues.

TISED's membership comprises tenured and tenure-track professors from across six departments and two schools at the Faculty of Engineering who conduct research related to TISED's research themes:

- sustainable industrial processes and manufacturing;
- renewable energy and energy efficiency;
- sustainable infrastructure and urban development; and
- climate change adaptation and resilience.

## Admission Requirements and Application Procedures for Sustainability in Engineering and Design

### Admission Requirements

Admission to the program requires an undergraduate degree in engineering, urban planning or architecture (or equivalent) and a minimum Cumulative Grade Point Average (CGPA) of 3.0/4.0, or a GPA of 3.2/4.0 in the last two years of full-time studies in the relevant undergraduate program. Note: This program is not offered on a part-time basis.

The items and clarifications below are additional requirements set by this department. Applicants are required to upload:

- Two (2) letters of reference submitted directly by the referees which should comment on the candidate's interest and potential for competence in undertaking the M.Eng. Sustainability in Engineering and Design. At least one must be from a current or past professor;
- A current version of their curriculum vitae (CV);
- A one (1) page personal statement describing their background, research interests, and/or streams of interest, and reasons for wishing to undertake the proposed program; and
- Proof of competency in oral and written English for applicants 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). By the application deadline for the program, appropriate exam results must be sent electronically directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office (Note: McGill's Institutional Code is 0935). The minimum requirement for the TOEFL is a score of 94 on the Internet-based test (iBT), with each component score not less than 20. The minimum score for the IELTS test is 7.0, with a score of at least 6.5 for each component.

Meeting minimum admission standards does not guarantee admission.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by TISED and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

For more information regarding the program, please consult the TISED website.

### Available Programs

- Sustainability in Engineering and Design (Non-Thesis) (M.Eng.) (45 credits) (p. 311)

### Program Overview

TISED offers the **Sustainability in Engineering and Design (Non-Thesis) (M.Eng.)** which comprises a broad sustainability training in an interdisciplinary environment. The program—open to students with an undergraduate degree in engineering, urban planning, or architecture—offers advanced training in fundamental and contemporary concepts of sustainability and equips students with specific skills to understand and address critical sustainability challenges in the practice of engineering, architecture, and urban planning.

The interdisciplinary format of the program allows students to learn to integrate non-engineering disciplines and systems-based approaches, such as industrial ecology and life-cycle assessment, into their engineering and design solutions. Program graduates will understand the broad ramifications of sustainability and its interplay with engineering and design and be able to implement sustainable engineering and design solutions within the context of broader sustainability theory for their future employers in industry, government, or academia.

### Location

TISED

Lorne M. Trottier Building, Room 2054  
3630 University St.  
Montréal, QC H3A 2B3

Email: [tised@mcgill.ca](mailto:tised@mcgill.ca)

Website: [mcgill.ca/tised](http://mcgill.ca/tised)



# Sustainability in Engineering and Design (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Trottier Inst Sust, Eng&Design (Faculty of Engineering)

**Degree:** Master of Engineering

**Program credit weight:** 45

## Program Description

The Master of Engineering in Sustainability in Engineering and Design; Non-Thesis, focuses on the critical sustainability challenges of the 21st century. The program provides students with the opportunity to apply systems-based frameworks and sustainability metrics to analyze problems and design solutions for sustainability in engineering and design. It provides an interdisciplinary working environment for those working on sustainability.

## Required Courses (27 credits)

Expand allContract all

| Course   | Title                                                         | Credits |
|----------|---------------------------------------------------------------|---------|
| SEAD 500 | Foundations of Sustainability for Engineering and Design.     | 3       |
| SEAD 510 | Energy Analysis.                                              | 4       |
| SEAD 520 | Life Cycle-Based Environmental Footprinting .                 | 3       |
| SEAD 530 | Economics for Sustainability in Engineering and Design.       | 3       |
| SEAD 540 | Industrial Ecology and Systems.                               | 3       |
| SEAD 550 | Decision-Making for Sustainability in Engineering and Design. | 3       |
| SEAD 660 | Strategies for Sustainability .                               | 3       |
| SEAD 670 | Collaborative Design for Sustainability.                      | 5       |

## Complementary Courses (18 credits)

Students will take 12 to 18 credits from courses in one or two streams:

### Stream 1 - Sustainable Processes and Manufacturing

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| CHEE 511 | Catalysis for Sustainable Fuels and Chemicals.        | 3       |
| CHEE 521 | Nanomaterials and the Aquatic Environment.            | 3       |
| CIVE 521 | Nanomaterials and the Aquatic Environment.            | 3       |
| CIVE 663 | Environmental Fate of Organic Chemicals.              | 4       |
| CIVE 677 | Water-Energy Sustainability.                          | 4       |
| MECH 534 | Air Pollution Engineering.                            | 3       |
| MECH 560 | Eco-design and Product Life Cycle Assessment .        | 3       |
| MIME 511 | Advanced Subsurface Ventilation and Air Conditioning. | 3       |
| MIME 514 | Sustainability Analysis of Mining Systems.            | 3       |
| MIME 556 | Sustainable Materials Processing.                     | 3       |

|          |                                         |   |
|----------|-----------------------------------------|---|
| MIME 588 | Reliability Analysis of Mining Systems. | 3 |
| URBP 506 | Environmental Policy and Planning.      | 3 |

1 Students can take only one of CHEE 521 Nanomaterials and the Aquatic Environment. or CIVE 521 Nanomaterials and the Aquatic Environment.

### Stream 2 - Renewable Energy and Energy Efficiency

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| CHEE 511 | Catalysis for Sustainable Fuels and Chemicals.        | 3       |
| CIVE 570 | Solar Driven Environmental Processes and Technologies | 3       |
| CIVE 677 | Water-Energy Sustainability.                          | 4       |
| ECSE 562 | Low-Carbon Power Generation Engineering.              | 4       |
| MECH 534 | Air Pollution Engineering.                            | 3       |
| MECH 579 | Numerical Optimization                                | 3       |

### Stream 3 - Sustainable Urban Development

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ARCH 515 | Sustainable Design.                  | 3       |
| ARCH 517 | Sustainable Residential Development. | 3       |
| ARCH 564 | Design for Development.              | 3       |
| MECH 534 | Air Pollution Engineering.           | 3       |
| URBP 504 | Planning for Active Transportation.  | 3       |
| URBP 551 | Urban Design and Planning.           | 3       |
| URBP 620 | Transport Economics.                 | 4       |
| URBP 651 | Redesigning Suburban Space.          | 3       |

### Stream 4 - Sustainable Infrastructure

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ARCH 515 | Sustainable Design.                                        | 3       |
| ARCH 564 | Design for Development.                                    | 3       |
| CIVE 540 | Urban Transportation Planning.                             | 3       |
| CIVE 621 | Sustainable Design of Municipal Systems.                   | 4       |
| CIVE 623 | Durability of Construction Materials .                     | 4       |
| CIVE 629 | Sustainable Design: Water and Wastewater Facilities .      | 4       |
| CIVE 652 | Bioprocesses for Wastewater Resource Recovery.             | 4       |
| SEAD 515 | Climate Change Adaptation and Engineering Infrastructure . | 3       |
| URBP 620 | Transport Economics.                                       | 4       |
| URBP 651 | Redesigning Suburban Space.                                | 3       |

## Sustainability in Engineering and Design Technical

0-6 credits from the following:

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| BIEN 520 | High Throughput Bioanalytical Devices.                     | 3       |
| BREE 518 | Ecological Engineering.                                    | 3       |
| CHEE 515 | Interface Design: Biomimetic Approach.                     | 3       |
| BREE 520 | Food, Fibre and Fuel Elements.                             | 3       |
| CHEE 541 | Electrochemical Engineering.                               | 3       |
| CHEE 543 | Plasma Engineering.                                        | 3       |
| CIVE 550 | Water Resources Management.                                | 3       |
| CIVE 555 | Environmental Data Analysis.                               | 3       |
| CIVE 660 | Chemical and Physical Treatment of Waters.                 | 4       |
| CIVE 686 | Site Remediation.                                          | 4       |
| ECSE 507 | Optimization and Optimal Control.                          | 3       |
| ECSE 563 | Power Systems Operation and Planning.                      | 3       |
| MECH 535 | Turbomachinery and Propulsion.                             | 3       |
| MECH 559 | Engineering Systems Optimization.                          | 3       |
| MIME 556 | Sustainable Materials Processing.                          | 3       |
| MIME 638 | Mine Waste Management.                                     | 4       |
| SEAD 560 | Special Topics in Sustainability in Engineering and Design | 3       |
| SEAD 600 | Sustainability Research 1.                                 | 3       |
| SEAD 602 | Sustainability Research 2 .                                | 3       |
| URBP 619 | Land Use and Transport Planning.                           | 4       |

NOTE: \* Students must find a supervisor from a McGill engineering, urban planning or architecture program before registering for SEAD 600 Sustainability Research 1. and SEAD 602 Sustainability Research 2 ., subject to approval by the program director.

NOTE: Other unlisted 500 level or higher courses taught at McGill or another Montreal university may be permitted, subject to approval by the program director.

# Urban Planning

## About Urban Planning

Urban planning is the set of processes by which communities shape their environments to meet their needs and to realize their aspirations for the future. Urban planning is also the profession of those who facilitate this process. While the practice of planning is as old as the cities themselves, the profession of urban planning is only about a century old. In the late 19th and early 20th centuries, architects, landscape architects, engineers, government reformers, lawyers, public health specialists, and others joined forces to tackle the serious social and environmental problems of the industrial city. They created new techniques and institutions to improve living conditions and decision-making processes, with an eye to improving cities in terms of health, safety, efficiency, equity, beauty, identity, etc. Today, people who enter the profession come from diverse backgrounds as well, including the design professions, engineering and applied sciences, environmental and social studies, and other fields. Their chief task is to reinvent tools, procedures, and processes to meet new challenges in making metropolitan areas socially, economically, and environmentally resilient and just. A key feature of planning education is learning to view issues in a multidisciplinary way, to manage processes of collaboration and of conflict, and to generate equitable and efficient solutions to complex problems of growth and development.

## Urban Planning Admission Requirements and Application Procedures

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) and [mcgill.ca/urbanplanning/how-apply](http://mcgill.ca/urbanplanning/how-apply) for detailed application procedures.

**Note:** The M.U.P. program is not offered on a part-time basis.

### Additional Requirements

The items and clarifications below are additional requirements set by this department for the **Master of Science (M.Sc.) Urban Planning, Policy, and Design** program. Applicants are required to upload:

- A current version of your curriculum vitae.
- A statement of your research objectives, not exceeding two pages, including:
  - An explanation of your motivation for pursuing the M.Sc. degree in Urban Planning, Policy, and Design;
  - A clearly articulated but concise discussion of your research interests, proposed topic, and methods, with citations; and
  - The identification of potential faculty supervisors for your research.
- Two letters of recommendation, at least one of which must be from a current or past professor.
- Proof of competency in oral and written English for applicants 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). By the application deadline for the program, appropriate exam results

must be sent electronically directly from the TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing Systems) Office (Note: McGill's Institutional Code is 0935). The minimum requirement for the TOEFL is a score of 100 on the Internet-based test (iBT), with each component score not less than 23. The minimum score for the IELTS test is 7.0, with a score of at least 6.5 for each component.

- Two examples of independent written work (e.g., course papers, articles, chapters, research reports) in English or in French.

The items and clarifications below are additional requirements set by this department for the **Master of Urban Planning (M.U.P.)** program. Applicants are required to upload:

- A personal statement of one to two pages, explaining your motivation for applying to the School, area(s) of specific interest, and longer-term career goals.
- A current version of your curriculum vitae.
- Two letters of recommendation, at least one of which must be from a current or past professor.
- Proof of English proficiency. Minimum score the same as for the M.Sc. Urban Planning, Policy, and Design program (see above).

The items and clarifications below are additional requirements set by this department for the **Doctor of Philosophy (Ph.D.) Urban Planning, Policy, and Design** program. As an applicant you are required to upload:

- A current version of your curriculum vitae.
- A statement of research objectives, not exceeding three pages, including:
  - An outline of long-term career goals;
  - An explanation of why you believe that a Ph.D. in Urban Planning, Policy, and Design would help you achieve those goals; and
  - A clearly articulated but concise discussion of research interests, intended research plans, and proposed methodological approaches.
- Three letters of recommendation, at least two of which must be from a current or past professor.
- Proof of English proficiency. Minimum scores are the same as for the M.Sc. Urban Planning, Policy, and Design program (see above).
- Two examples of independent written work (e.g., course papers, articles, chapters, research reports) in English or in French.

### Awards and Financial Assistance

The Admissions Committee decides the allocation of internal awards for incoming students after the application deadline, and they are allocated, in part, based on merit; no special application is needed to be considered for this funding. Canadian students can also enter the program with a major external fellowship from a government funding agency such as SSHRC or NSERC. Descriptions of the external awards can be found at [mcgill.ca/gps/funding](http://mcgill.ca/gps/funding).

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Urban Planning and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill

departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and /or incomplete applications are considered only as time and space permit.

## Available Programs

- Urban Planning (Non-Thesis) (M.U.P.) (60 credits) (p. 315)
- Urban Planning (Non-Thesis): Transportation Planning (M.U.P.) (60 credits) (p. 316)
- Urban Planning (Non-Thesis): Urban Development and Urban Design (M.U.P.) (60 credits) (p. 316)
- Urban Planning, Policy and Design (Ph.D.) (p. 317)
- Urban Planning, Policy and Design (Thesis) (M.Sc.) (45 credits) (p. 314)

## Program Overview

The **Master of Urban Planning (M.U.P.)** program is a two-year course of study that attracts students from Quebec, Canada, the U.S., and overseas. It is recognized by the *Ordre des urbanistes du Québec* (OUQ) and the Canadian Institute of Planners (CIP). Graduates may become full members of the OUQ and other provincial planning associations by completing their respective internship and examination requirements. The core program provides a general education in spatial planning in its functional, environmental, and social dimensions. Formal specializations are available in **Transportation Planning and Urban Development and Urban Design**. Those interested in pursuing the the M.U.P. can learn more about the M.U.P. specializations on our school's website. In all cases, complementary courses, the summer internship, and the Supervised Research Project allow for individual concentration on a particular topic.

Prospective students for the **M.Sc. in Urban Planning, Policy, and Design** propose a topic for thesis work supervised by a faculty member in the School. Once admitted to the program, students develop, initiate, and complete the thesis research, with supporting coursework in the history and theory of planning, methods, research design, and topics relevant to the student's research. Further information on the M.Sc. is available on the School of Urban Planning website.

## Location

School of Urban Planning  
Macdonald Harrington Building, Room 400  
815 Sherbrooke St. W.  
Montréal, QC H3A 0C2

Telephone: 514-398-4075  
Fax: 514-398-8376  
Email: [admissions.planning@mcgill.ca](mailto:admissions.planning@mcgill.ca)  
Website: [mcgill.ca/urbanplanning](http://mcgill.ca/urbanplanning)

## Urban Planning, Policy and Design (Thesis) (M.Sc.) (45 credits)

**Offered by:** Urban Planning (Faculty of Engineering)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Urban Planning, Policy and Design (Thesis) is centred on an independent research thesis. Original research on an urban issue of interest with implications for planning, policy or design will be conducted. The program focuses on critical skills in research, analysis and interpretation that are applicable in both academia and practice.

## Required Courses (27 credits)

Expand allContract all

| Course     | Title                           | Credits |
|------------|---------------------------------|---------|
| URBP 606D1 | Research Seminar.               | 3       |
| URBP 606D2 | Research Seminar.               | 3       |
| URBP 612   | History and Theory of Planning. | 3       |
| URBP 690   | Thesis Submission.              | 18      |

## Complementary Courses (12 credits)

9 credits selected from among the 500 or 600 level URBP courses offered by the School.

3 credits selected from the following research methods courses:

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| URBP 605 | Geographic Information Systems.                        | 3       |
| URBP 608 | Advanced Spatial Methods for Planning and Policy       | 3       |
| URBP 633 | Research Methods for Planners.                         | 3       |
| URBP 640 | Introduction to Planning Statistics.                   | 1       |
| URBP 641 | Reading the Urban Landscape .                          | 1       |
| URBP 642 | Introduction to Planning Data.                         | 1       |
| URBP 643 | Selected Geographic Information Systems Applications . | 1       |
| URBP 644 | Multivariate Statistics.                               | 1       |
| URBP 645 | Social Research Methods 1.                             | 1       |
| URBP 646 | Social Research Methods 2.                             | 1       |
| URBP 647 | Selected Methods in Planning 1.                        | 1       |
| URBP 648 | Selected Methods in Planning 2 .                       | 1       |

Note: Students may also take research methods courses at the 500 or 600 level in other academic units at McGill or another Montreal university, subject to the approval of the School.

## Elective Courses (6 credits)

6 credits offered at the 500 or 600 level by any academic units at McGill or at another Montreal university, with the approval of the School, if they are related to one or more subject areas in the field of planning. Choices usually include courses in urban geography, sociology, anthropology, law, politics, and environmental science.

Students must confirm with the Thesis Supervisor prior to registration that the selected course(s) can be counted toward the M.Sc. program.

## Urban Planning (Non-Thesis) (M.U.P.) (60 credits)

**Offered by:** Urban Planning (Faculty of Engineering)

**Degree:** Master of Urban Planning

**Program credit weight:** 60

### Program Description

The M.U.P. requires two years of study and research including a three-month summer internship in a professional setting. Upon completion of the program, 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.

**\*\* Students interested in the Barbados Field Study semester option should contact the department on its availability \*\***

### Required Courses (42 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| URBP 609 | Visual Communication 1.              | 1       |
| URBP 610 | Visual Communication 2.              | 1       |
| URBP 611 | Data Visualization for Planning.     | 1       |
| URBP 612 | History and Theory of Planning.      | 3       |
| URBP 622 | Planning Studio 1.                   | 6       |
| URBP 623 | Planning Studio 2.                   | 6       |
| URBP 624 | Planning Studio 3.                   | 6       |
| URBP 628 | Practical Experience.                | 0       |
| URBP 630 | Supervised Research Project 1.       | 3       |
| URBP 631 | Supervised Research Project 2.       | 3       |
| URBP 632 | Supervised Research Project 3.       | 6       |
| URBP 635 | Planning Law.                        | 3       |
| URBP 640 | Introduction to Planning Statistics. | 1       |
| URBP 641 | Reading the Urban Landscape .        | 1       |
| URBP 642 | Introduction to Planning Data.       | 1       |

### Complementary Courses (18 credits)

Students are encouraged to complete at least one course in each of the four areas of design, environment, housing, and transportation.

#### Group A

9-18 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| ARCH 515 | Sustainable Design.            | 3       |
| CIVE 540 | Urban Transportation Planning. | 3       |
| CIVE 561 | Greenhouse Gas Emissions.      | 3       |

|          |                                                              |   |
|----------|--------------------------------------------------------------|---|
| GEOG 504 | Advanced Economic Geography.                                 | 3 |
| GEOG 525 | Asian Cities in the 21st Century.                            | 3 |
| URBP 501 | Principles and Practice 1.                                   | 2 |
| URBP 503 | Public Transport: Planning and Operations.                   | 3 |
| URBP 504 | Planning for Active Transportation.                          | 3 |
| URBP 506 | Environmental Policy and Planning.                           | 3 |
| URBP 514 | Community Design Workshop.                                   | 3 |
| URBP 530 | Urban Infrastructure and Services in International Context . | 3 |
| URBP 536 | Current Issues in Transportation 1.                          | 2 |
| URBP 537 | Current Issues in Transportation 2.                          | 2 |
| URBP 541 | Selected Topics in Planning.                                 | 1 |
| URBP 542 | Selected Topics in Visual Analysis.                          | 1 |
| URBP 543 | Special Topics.                                              | 3 |
| URBP 553 | Urban Governance.                                            | 3 |
| URBP 555 | Real Estate and Planning.                                    | 3 |
| URBP 556 | Urban Economy: A Spatial Perspective.                        | 3 |
| URBP 557 | Rethinking Zoning.                                           | 3 |
| URBP 605 | Geographic Information Systems.                              | 3 |
| URBP 607 | Reading Course: Urban Planning.                              | 3 |
| URBP 608 | Advanced Spatial Methods for Planning and Policy             | 3 |
| URBP 616 | Selected Topics 1.                                           | 3 |
| URBP 617 | Selected Topics 2.                                           | 3 |
| URBP 618 | Selected Topics 3.                                           | 3 |
| URBP 619 | Land Use and Transport Planning.                             | 4 |
| URBP 620 | Transport Economics.                                         | 4 |
| URBP 625 | Principles and Practice 2.                                   | 2 |
| URBP 626 | Principles and Practice 3.                                   | 2 |
| URBP 629 | Planning Theory and Practice in a Globalizing World.         | 3 |
| URBP 643 | Selected Geographic Information Systems Applications .       | 1 |
| URBP 644 | Multivariate Statistics.                                     | 1 |
| URBP 645 | Social Research Methods 1.                                   | 1 |
| URBP 646 | Social Research Methods 2.                                   | 1 |
| URBP 647 | Selected Methods in Planning 1.                              | 1 |
| URBP 648 | Selected Methods in Planning 2 .                             | 1 |
| URBP 649 | Visual and Spatial Methods .                                 | 1 |
| URBP 651 | Redesigning Suburban Space.                                  | 3 |
| URBP 656 | Urban Innovation and Creativity.                             | 3 |

#### Group B

0-9 credits at the 500 or 600 level of coursework offered by any academic unit at McGill or at another Montreal university, with the approval of the School, if they help students to develop an in-depth knowledge of one or more subject areas in the field of planning, with the approval of the School. Choices usually include courses in real-



estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the selected course(s) can be counted toward the M.U.P. degree.

# Urban Planning (Non-Thesis): Transportation Planning (M.U.P.) (60 credits)

**Offered by:** Urban Planning (Faculty of Engineering)  
**Degree:** Master of Urban Planning  
**Program credit weight:** 60

## Program Description

The Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis); 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 applications and research.

## Required Courses (49 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| URBP 605 | Geographic Information Systems.      | 3       |
| URBP 609 | Visual Communication 1.              | 1       |
| URBP 610 | Visual Communication 2.              | 1       |
| URBP 611 | Data Visualization for Planning.     | 1       |
| URBP 612 | History and Theory of Planning.      | 3       |
| URBP 619 | Land Use and Transport Planning.     | 4       |
| URBP 622 | Planning Studio 1.                   | 6       |
| URBP 623 | Planning Studio 2.                   | 6       |
| URBP 624 | Planning Studio 3.                   | 6       |
| URBP 628 | Practical Experience.                | 0       |
| URBP 630 | Supervised Research Project 1.       | 3       |
| URBP 631 | Supervised Research Project 2.       | 3       |
| URBP 632 | Supervised Research Project 3.       | 6       |
| URBP 635 | Planning Law.                        | 3       |
| URBP 640 | Introduction to Planning Statistics. | 1       |
| URBP 641 | Reading the Urban Landscape .        | 1       |
| URBP 642 | Introduction to Planning Data.       | 1       |

## Complementary Courses (11 credits)

### Group A

5-11 credits from the following:

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| CIVE 540 | Urban Transportation Planning.         | 3       |
| CIVE 561 | Greenhouse Gas Emissions.              | 3       |
| CIVE 661 | Modelling of Transportation Emissions. | 4       |

|          |                                                        |   |
|----------|--------------------------------------------------------|---|
| URBP 503 | Public Transport: Planning and Operations.             | 3 |
| URBP 504 | Planning for Active Transportation.                    | 3 |
| URBP 506 | Environmental Policy and Planning.                     | 3 |
| URBP 536 | Current Issues in Transportation 1.                    | 2 |
| URBP 537 | Current Issues in Transportation 2.                    | 2 |
| URBP 608 | Advanced Spatial Methods for Planning and Policy       | 3 |
| URBP 620 | Transport Economics.                                   | 4 |
| URBP 643 | Selected Geographic Information Systems Applications . | 1 |

### Group B

0-6 credits of coursework at the 500 or 600 level offered by any offered by any academic unit at McGill or another Montreal university, with the approval of the School, if they help students to develop an in-depth knowledge of one or more subject areas in the field of planning. Choices usually include courses in real-estate analysis, urban geography, sociology, anthropology, law, politics, and environmental science. Students must confirm prior to registration that the selected course(s) can be counted toward the M.U.P. degree.

# Urban Planning (Non-Thesis): Urban Development and Urban Design (M.U.P.) (60 credits)

**Offered by:** Urban Planning (Faculty of Engineering)  
**Degree:** Master of Urban Planning  
**Program credit weight:** 60

## Program Description

The concentration in Urban Development and Urban Design aims to produce graduates who are skilled in analysis and design for development in existing (sub)urban landscapes and urbanizing contexts, whether in North America or elsewhere. A series of courses on urban design, real estate, the politics of development, and urban governance enhance the core curriculum of the professionally-accredited M.U.P. program. Additional courses address innovative approaches to urban development, contemporary urban form, community-based design, globalization and development, and the adaptive redesign of suburban contexts, in addition to enduring topics such as housing, public space, cultural landscapes, and environmental planning. Students seeking to specialize in Urban Development and Urban Design apply at the end of their first year of study; admission into the concentration is based on performance in the first year of study and demonstration of spatial literacy, numeric competency, skills in graphic communication, and understanding of complex development processes.

## Required Courses (45 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| URBP 553 | Urban Governance.       | 3       |
| URBP 609 | Visual Communication 1. | 1       |
| URBP 610 | Visual Communication 2. | 1       |

|          |                                      |   |
|----------|--------------------------------------|---|
| URBP 611 | Data Visualization for Planning.     | 1 |
| URBP 612 | History and Theory of Planning.      | 3 |
| URBP 622 | Planning Studio 1.                   | 6 |
| URBP 623 | Planning Studio 2.                   | 6 |
| URBP 624 | Planning Studio 3.                   | 6 |
| URBP 628 | Practical Experience.                | 0 |
| URBP 630 | Supervised Research Project 1.       | 3 |
| URBP 631 | Supervised Research Project 2.       | 3 |
| URBP 632 | Supervised Research Project 3.       | 6 |
| URBP 635 | Planning Law.                        | 3 |
| URBP 640 | Introduction to Planning Statistics. | 1 |
| URBP 641 | Reading the Urban Landscape .        | 1 |
| URBP 642 | Introduction to Planning Data.       | 1 |

## Complementary Courses (15 credits)

### Group A

9-15 credits from the following:

Expand allContract all

| Course   | Title                                                | Credits |
|----------|------------------------------------------------------|---------|
| URBP 555 | Real Estate and Planning.                            | 3       |
| URBP 557 | Rethinking Zoning.                                   | 3       |
| URBP 605 | Geographic Information Systems.                      | 3       |
| URBP 620 | Transport Economics.                                 | 4       |
| URBP 629 | Planning Theory and Practice in a Globalizing World. | 3       |
| URBP 651 | Redesigning Suburban Space.                          | 3       |
| URBP 656 | Urban Innovation and Creativity.                     | 3       |

### Group B (0-6 credits)

0-6 credits from the following or other 500 or 600 level courses (see note below):

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| ARCH 515 | Sustainable Design.                                          | 3       |
| GEOG 525 | Asian Cities in the 21st Century.                            | 3       |
| URBP 501 | Principles and Practice 1.                                   | 2       |
| URBP 503 | Public Transport: Planning and Operations.                   | 3       |
| URBP 504 | Planning for Active Transportation.                          | 3       |
| URBP 506 | Environmental Policy and Planning.                           | 3       |
| URBP 514 | Community Design Workshop.                                   | 3       |
| URBP 530 | Urban Infrastructure and Services in International Context . | 3       |
| URBP 541 | Selected Topics in Planning.                                 | 1       |
| URBP 542 | Selected Topics in Visual Analysis.                          | 1       |
| URBP 543 | Special Topics.                                              | 3       |
| URBP 556 | Urban Economy: A Spatial Perspective.                        | 3       |

|          |                                                        |   |
|----------|--------------------------------------------------------|---|
| URBP 607 | Reading Course: Urban Planning.                        | 3 |
| URBP 616 | Selected Topics 1.                                     | 3 |
| URBP 617 | Selected Topics 2.                                     | 3 |
| URBP 618 | Selected Topics 3.                                     | 3 |
| URBP 619 | Land Use and Transport Planning.                       | 4 |
| URBP 625 | Principles and Practice 2.                             | 2 |
| URBP 626 | Principles and Practice 3.                             | 2 |
| URBP 643 | Selected Geographic Information Systems Applications . | 1 |
| URBP 644 | Multivariate Statistics.                               | 1 |
| URBP 645 | Social Research Methods 1.                             | 1 |
| URBP 646 | Social Research Methods 2.                             | 1 |
| URBP 647 | Selected Methods in Planning 1.                        | 1 |
| URBP 648 | Selected Methods in Planning 2 .                       | 1 |
| URBP 649 | Visual and Spatial Methods .                           | 1 |

Students may also take courses at the 500 or 600 level in any academic unit at McGill or at another Montreal university, subject to the approval of the School.

## Urban Planning, Policy and Design (Ph.D.)

**Offered by:** Urban Planning (Faculty of Engineering)  
**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Urban Planning, Policy and Design aims to prepare students for interdisciplinary research and teaching on the management of urban development as well as for leadership in the design and evaluation of urban policies and plans for cities in North America and the world. The program will focus on five identified areas of urban planning (land use planning and urban design; environmental planning; transportation planning; international development planning; real estate and economic development). Students are expected to spend the first two years of study taking courses, preparing for their comprehensive examination and writing their dissertation proposal. The remaining two (or more) years are spent conducting research and writing a thesis.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Every student must take courses worth at least 18 credits. Only one reading course can be included in this minimum requirement. The

Advisory Committee may raise the requirement up to 24 credits (up to 36 credits for students entering as Ph.D. 1) in order to meet the specific needs of the student. With approval of their committee, students may elect to take a larger number of courses than is required, but in no case will the number of credits exceed thirty unless the student enters the program in Ph.D.1.

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| URBP 612 | History and Theory of Planning.     | 3       |
| URBP 701 | Doctoral Comprehensive Examination. | 0       |
| URBP 703 | Doctoral Research Seminar 1.        | 3       |
| URBP 704 | Doctoral Research Seminar 2.        | 3       |
| URBP 709 | Doctoral Research Proposal.         | 0       |

## Complementary Courses (6 credits)

3 credits in advanced research methods at the 600 level or higher. It may be taken in any academic unit at McGill or another university, subject to the approval of the Graduate Program or School Director.

3 credits in advanced theory at the 600 level or higher. It may be taken at McGill or at another university and must be approved by the Graduate Program or School Director.

## Elective Courses (3 credits)

Minimum 3 credits at the 500 level or higher, or more if the Advisory Committee so decides.

These credits may be taken in any academic unit at McGill or at another university, subject to the approval of the Advisory Committee.

The Advisory Committee may require that the number of electives be increased to improve the student's preparation in certain areas. Other courses, at the 500 level or higher, may be added with the approval of the Advisory Committee. In general, students will be asked to limit their elective coursework to 9 credits. In no case will they be allowed to take more than 15 credits in elective courses.

Up to two reading courses may be taken and only one may be included in the minimum 18 credits of course work. A reading course is taken when no appropriate course is available and is (at least) equivalent to a 3-credit course in terms of work load. Procedures for reading courses are outlined in the Reading Course guidelines.

# Environment, Bieler School of

**Note:** The Graduate Option in Environment is not currently offered.

## About the Bieler School of Environment

The school is a joint initiative of the Faculty of Agricultural and Environmental Sciences, the Faculty of Arts, the Faculty of Law, and the Faculty of Science. It offers a variety of programs, including:

- B.Sc.(Ag.Env.Sc.) Major in Environment
- B.Sc. Major in Environment
- B.A. & Sc. interfaculty program in Environment
- B.A. Faculty Program in Environment (Honours are available in all four of these programs)
- Minor in Environment
- Diploma in Environment

Many of the Bieler School of Environment programs allow students to choose to study exclusively on the Macdonald or Downtown campuses, or to take advantage of both.

## Unique Approach to Environmental Studies

McGill's faculties of Arts, of Science, and of Agricultural and Environmental Sciences, have forged a unique approach to the study of environment through the interfaculty, trans-disciplinary Bieler School of Environment. The rapid growth of technology, global economies, and global population have dramatic and significant environmental impacts that are felt locally and in the short-term as well as perturbations affecting large-scale global ecosystems felt over hundreds if not thousands of years. Solutions to the environmental challenges we face will come from an understanding of global ecosystems and the conflicting and complex ways in which human activities are intertwined with them. Studying environmental problems at the intersection of the natural environment and human-built world requires a depth and breadth of knowledge in both the social and natural sciences.

The approach of the Bieler School of Environment programs is to introduce students to a broad range of ideas early in the program to provide a foundation and an openness upon which more specialized, disciplinary knowledge can be built. The Bieler School attracts exceptional students able to comprehend and navigate the complex dynamics of environmental challenges and who are catalysts of change in their communities.

## Mission of the Bieler School of Environment

The mission of the Bieler School of Environment is to:

- Provide a program that will develop a broad-based environmental literacy in the undergraduate population.
- Develop opportunities for graduate students to pursue studies of the environment at an advanced level to create future leaders and researchers.
- Generate new ideas, new insights, new technologies, and new approaches to understanding and redressing environmental problems through academic research and outreach that draws on the University's existing strength in research and spans disciplinary boundaries.

## Graduate-Level Research and Training

Resolving environmental issues requires a dialogue between pure and applied sciences, the social sciences, and the humanities. The degradation of the biological and biophysical environment has roots in the structure of human societies while solutions to environmental problems have an 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 Environment Option

The Environment option aims to:

- Provide thesis or non-thesis students with an understanding of how knowledge is transferred into action with regard to the environment.
- Develop an appreciation of the role of scientific, political, socioeconomic, and ethical judgments in influencing that process.
- 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 either a Bieler School of Environment appointed faculty member or a Bieler School of Environment associate 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.

## Environment Admission Requirements and Application Procedures

**Note:** The Graduate Option in Environment is not currently offered.

### Admission Requirements

Candidates must apply **separately** to the Bieler School of Environment for the graduate Environment option. Their admissibility will be based on their academic experience and performance, and the availability of a potential Bieler School-accredited supervisor or co-supervisor for their proposed research.

### Application Procedures

McGill's online application form for graduate program candidates is available at the Applying and admissions page.

Refer to the Graduate Admissions and Application Procedures (p. 53) page for detailed information on application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Option application form
- Signed option supervisory form (a supervisor or co-supervisor must be affiliated with the Bieler School)

## Application Dates and Deadlines

The application deadlines to the graduate Environment option may vary depending on the department you are applying to. For more information, please contact the Graduate Program Coordinator in the department you are interested in.

**Note:** The Graduate Option in Environment is not currently offered.

## Program List

### Anthropology

- Anthropology (Thesis): Environment (M.A.) (45 credits) (p. 123) (Arts > Anthropology)

### Atmospheric and Oceanic Sciences

- Atmospheric and Oceanic Sciences: Environment (Ph.D.) (p. 480) (Science > Atmospheric and Oceanic Sciences)

### Biology

- Biology (Thesis): Environment (M.Sc.) (45 credits) (p. 483) (Science > Biology)
- Biology: Environment (Ph.D.) (p. 485) (Science > Biology)

### Bioresource Engineering

- Bioresource Engineering (Thesis): Environment (M.Sc.) (45 credits) (p. 96) (Agricultural and Environmental Sciences > Bioresource Engineering)
- Bioresource Engineering (Non-Thesis): Environmental Engineering (M.Sc.A.) (45 credits) (p. 94) (Agricultural and Environmental Sciences > Bioresource Engineering)
- Bioresource Engineering: Environment (Ph.D.) (p. 92) (Agricultural and Environmental Sciences > Bioresource Engineering)

### Entomology

- Entomology (Ph.D.) (p. 110) (Faculty of Agricultural and Environmental Sciences > Natural Resource Sciences)

### Geography

- Geography (Thesis): Environment (M.A.) (45 credits) (p. 145) (Arts > Geography)
- Geography (Thesis): Environment (M.Sc.) (45 credits) (p. 498) (Science > Geography)
- Geography: Environment (Ph.D.) (p. 500) (Science > Geography)

## Law

- Law (Thesis): Environment (LL.M.) (45 credits) (p. 342) (Law)
- Law (Non-Thesis): Environment (LL.M.) (45 credits) (p. 339) (Law)

## Philosophy

- Philosophy: Environment (Ph.D.) (p. 182) (Arts > Philosophy)

## Plant Science

- Plant Science (Thesis): Environment (M.Sc.) (45 credits) (p. 117) (Agricultural and Environmental Sciences > Plant Science)
- Plant Science: Environment (Ph.D.) (p. 118) (Agricultural and Environmental Sciences > Plant Science)

## Renewable Resources

- Renewable Resources (Ph.D.) (p. 111) (Faculty of Agricultural and Environmental Sciences > Natural Resource Sciences)

## Location

### Downtown Campus

Bieler School of Environment  
3534 University St.  
Montréal, QC H3A 2A7

### Macdonald Campus

**Bieler School of Environment**  
**Rowles House**  
**21,111 Lakeshore Road**  
**Sainte-Anne-de-Bellevue, QC H9X 3V9**

Telephone: [514-398-2827](tel:514-398-2827)

Website: [mcgill.ca/environment](http://mcgill.ca/environment)



## Interfaculty Studies

McGill University has developed interdisciplinary, interfaculty graduate programs to meet the growing demand for interdisciplinary research. These programs leverage research clusters and faculty collaborations across various disciplines, providing access to leading scientists and the tools needed for cutting-edge research. Interfaculty Studies include the following interdisciplinary programs spanning multiple faculties.

- Biological and Biomedical Engineering Programs (p. 321)
- Biophysics (p. 326)
- Foundations in Health Sciences Education (Gr. Cert.)
- Neuroscience (Integrated Program) (p. 328)
- Quantitative Life Sciences (p. 331)

## Biological and Biomedical Engineering

### About Biological and Biomedical Engineering

Biological and Biomedical Engineering (BBME) is an interfaculty graduate program administered jointly by the Departments of Bioengineering (Faculty of Engineering) and Biomedical Engineering (Faculty of Medicine and Health Sciences) at McGill. Interdisciplinary in nature, the program includes extensive research areas and broad training, with over 60 world-renowned scientists, and equips students for promising careers in industry, healthcare, academia, and government. Researchers in this field unravel the molecular and physiological mechanisms of life, develop increasingly advanced technologies to transform healthcare, and reverse-engineer naturally occurring biological processes. Graduates of the BBME program are poised to play a critical role in shaping our global future.

Please consult the Biological and Biomedical Engineering website for additional information.

### Research Domains

Ongoing biological and biomedical engineering research at McGill includes:

- artificial cells and organs
- bioinformatics, computational biology, and biocomputation
- biological materials and mechanics
- biomedical imaging and microscopy
- biomedical modelling
- biomedical sensors, diagnostics, and therapeutics
- biomedical signals and systems
- biomolecular and cellular engineering
- bioprocess engineering
- micro- and nano-bioengineering
- systems and synthetic biology

## Biological and Biomedical Engineering Admission Requirements and Application Procedures

### Admission Requirements

For up-to-date admission requirements, please consult [mcgill.ca/bbme/prospective-students/how-apply](http://mcgill.ca/bbme/prospective-students/how-apply) and Admission Requirements (Minimum Requirements to be Considered for Admission) (p. 53).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See the Application Procedures (p. 53) page for detailed information.

Please address enquiries directly to [info.bbme@mcgill.ca](mailto:info.bbme@mcgill.ca) (Thesis option); [biomfg.bbme@mcgill.ca](mailto:biomfg.bbme@mcgill.ca) (Non-Thesis option).

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Biological and Biomedical Engineering Graduate Program and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program). For additional information, please consult [mcgill.ca/bbme/prospective-students/how-apply](http://mcgill.ca/bbme/prospective-students/how-apply).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note for Thesis Option:** Applications for Summer term admission will not be considered.

**Note for Non-Thesis Option:** Applications for Winter and Summer term admission will not be considered.

## Available Programs

- Biological and Biomedical Engineering (Non-Thesis) (M.Eng.) (45 credits) (p. 323)
- Biological and Biomedical Engineering (Ph.D.) (p. 325)
- Biological and Biomedical Engineering (Thesis) (M.Sc.) (45 credits) (p. 322)
- Biological and Biomedical Engineering - Biomanufacturing (Non-Thesis) (M.Eng.) (45 credits) (p. 324)
- Biologics Manufacturing (Gr. Cert.) (15 credits) (p. 325)

For more information on Biological and Biomedical Engineering graduate offering, please consult the Program Offerings website.

## Location

Duff Medical Building  
3775 University St., Room 316  
Montréal, QC H3A 2B4

Website: [mcgill.ca/bbme](http://mcgill.ca/bbme)

# Biological and Biomedical Engineering (Thesis) (M.Sc.) (45 credits)

**Offered by:** Biological & Biomedical Engineering  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The Biological and Biomedical Engineering (BBME) Master’s program focuses on the interdisciplinary application of methods, paradigms, technologies, and devices from engineering and the natural sciences to problems in biology, medicine, and the life sciences. With its unique multidisciplinary environment, and taking advantage of research collaborations between staff in the Faculties of Medicine, Science, and Engineering. BBME offers thesis-based graduate degrees (M.Sc.) that span broad themes in biomodelling, biosignal processing, medical imaging, nanotechnology, artificial cells and organs, probiotics, bioinformatics, bioengineering, biomaterials, and orthopaedics. BBME’s internationally renowned staff provide frequent and stimulating interactions with physicians, scientists, and the biomedical industry. Through courses and thesis research, this program will prepare students for careers in industry, academia, hospitals and government and provide a solid basis for Ph.D. studies. Candidates should hold a bachelor’s degree in engineering, science, or medicine with a strong emphasis on mathematics, physics, chemistry, and basic physiology or cell biology.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| BBME 693 | Thesis Research 1. | 6       |
| BBME 694 | Thesis Research 2. | 6       |
| BBME 695 | Thesis Submission. | 12      |
| BBME 696 | Thesis Research 3. | 3       |
| BBME 697 | Thesis Research 4. | 3       |

## Required Courses (3 credits)

Expand allContract all

| Course     | Title                                              | Credits |
|------------|----------------------------------------------------|---------|
| BBME 600D1 | Seminars in Biological and Biomedical Engineering. | 1.5     |
| BBME 600D2 | Seminars in Biological and Biomedical Engineering. | 1.5     |

OR

Expand allContract all

| Course     | Title                                              | Credits |
|------------|----------------------------------------------------|---------|
| BBME 600N1 | Seminars in Biological and Biomedical Engineering. | 1.5     |
| BBME 600N2 | Seminars in Biological and Biomedical Engineering. | 1.5     |

## Complementary Courses (12 credits)

3 credits from the following quantitative courses:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIEN 510 | Engineered Nanomaterials for Biomedical Applications. | 3       |
| BIEN 530 | Imaging and Bioanalytical Instrumentation.            | 3       |
| BIEN 550 | Biomolecular Devices.                                 | 3       |
| BIEN 560 | Design of Biosensors.                                 | 3       |
| BIEN 570 | Active Mechanics in Biology.                          | 3       |
| BIEN 590 | Cell Culture Engineering.                             | 3       |
| BMDE 502 | BME Modelling and Identification.                     | 3       |
| BMDE 503 | Biomedical Instrumentation.                           | 3       |
| BMDE 512 | Finite-Element Modelling in Biomedical Engineering.   | 3       |
| BMDE 519 | Biomedical Signals and Systems.                       | 3       |
| BMDE 610 | Functional Neuroimaging Fusion.                       | 3       |
| BMDE 660 | Advanced MR Imaging and Spectroscopy of the Brain.    | 3       |
| MDPH 607 | Medical Imaging.                                      | 3       |

3 credits from the following:

Expand allContract all

| Course     | Title                                                     | Credits |
|------------|-----------------------------------------------------------|---------|
| BIEN 510   | Engineered Nanomaterials for Biomedical Applications.     | 3       |
| BIEN 530   | Imaging and Bioanalytical Instrumentation.                | 3       |
| BIEN 540   | Information Storage and Processing in Biological Systems. | 3       |
| BIEN 550   | Biomolecular Devices.                                     | 3       |
| BIEN 560   | Design of Biosensors.                                     | 3       |
| BIEN 570   | Active Mechanics in Biology.                              | 3       |
| BIEN 590   | Cell Culture Engineering.                                 | 3       |
| BIEN 680   | Bioprocessing of Vaccines.                                | 4       |
| BMDE 501   | Selected Topics in Biomedical Engineering.                | 3       |
| BMDE 502   | BME Modelling and Identification.                         | 3       |
| BMDE 503   | Biomedical Instrumentation.                               | 3       |
| BMDE 504   | Biomaterials and Bioperformance.                          | 3       |
| BMDE 505   | Cell and Tissue Engineering.                              | 3       |
| BMDE 508   | Introduction to Micro and Nano-Bioengineering.            | 3       |
| BMDE 512   | Finite-Element Modelling in Biomedical Engineering.       | 3       |
| BMDE 519   | Biomedical Signals and Systems.                           | 3       |
| BMDE 525D1 | Design of Assistive Technologies: Principles and Praxis.  | 3       |
| BMDE 525D2 | Design of Assistive Technologies: Principles and Praxis.  | 3       |

|          |                                                    |   |
|----------|----------------------------------------------------|---|
| BMDE 610 | Functional Neuroimaging Fusion.                    | 3 |
| BMDE 650 | Advanced Medical Imaging.                          | 3 |
| BMDE 654 | Biomedical Regulatory Affairs - Medical Devices.   | 3 |
| BMDE 660 | Advanced MR Imaging and Spectroscopy of the Brain. | 3 |
| MDPH 607 | Medical Imaging.                                   | 3 |

6 credits at the 500-level or higher chosen from a list on the program web site <https://www.mcgill.ca/bbme/students/courses> or from other courses, at the 500 level or higher, at least 3 credits of which have both life sciences content and content from the physical sciences, engineering, or computer science, with the prior written approval of the Thesis Supervisor and the Graduate Program Director.

## Biological and Biomedical Engineering (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Biological & Biomedical Engineering

**Degree:** Master of Engineering

**Program credit weight:** 45

### Program Description

**\*\*This program is currently not offered.\*\***

The M.Eng. in Biological and Biomedical Engineering; Non-Thesis program focuses on the life sciences, the physical sciences, and engineering, industrial practices and processes, and data science related to areas such as biological products, biomedical devices, and medical imaging. Hands-on experience through projects carried out during internships.

### Internship Courses (18 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| BBME 681 | Internship 1.  | 9       |
| BBME 682 | Internship 2 . | 9       |

### Complementary Courses (27 credits)

Expand allContract all

| Course     | Title                                              | Credits |
|------------|----------------------------------------------------|---------|
| BBME 600D1 | Seminars in Biological and Biomedical Engineering. | 1.5     |
| BBME 600D2 | Seminars in Biological and Biomedical Engineering. | 1.5     |
| BBME 600N1 | Seminars in Biological and Biomedical Engineering. | 1.5     |
| BBME 600N2 | Seminars in Biological and Biomedical Engineering. | 1.5     |
| BIEN 601   | cGMP and Regulation in Biomanufacturing.           | 3       |

and Biomedical Engineering. or BBME 600N1 Seminars in Biological and Biomedical Engineering. and BBME 600N2 Seminars in Biological and Biomedical Engineering..

Minimum of 12 credits must come from the core courses listed below. At least 6 credits must be chosen from the "quantitative" courses listed below:

### Quantitative Core Courses

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIEN 510 | Engineered Nanomaterials for Biomedical Applications. | 3       |
| BIEN 530 | Imaging and Bioanalytical Instrumentation.            | 3       |
| BIEN 550 | Biomolecular Devices.                                 | 3       |
| BIEN 560 | Design of Biosensors.                                 | 3       |
| BIEN 570 | Active Mechanics in Biology.                          | 3       |
| BIEN 590 | Cell Culture Engineering.                             | 3       |
| BMDE 502 | BME Modelling and Identification.                     | 3       |
| BMDE 503 | Biomedical Instrumentation.                           | 3       |
| BMDE 512 | Finite-Element Modelling in Biomedical Engineering.   | 3       |
| BMDE 519 | Biomedical Signals and Systems.                       | 3       |
| BMDE 520 | Machine Learning for Biomedical Data.                 | 3       |
| BMDE 610 | Functional Neuroimaging Fusion.                       | 3       |
| BMDE 660 | Advanced MR Imaging and Spectroscopy of the Brain.    | 3       |
| MDPH 607 | Medical Imaging.                                      | 3       |

### Non-Quantitative Core Courses

Expand allContract all

| Course     | Title                                                        | Credits |
|------------|--------------------------------------------------------------|---------|
| BIEN 535   | Electron Microscopy and 3D Imaging for Biological Materials. | 3       |
| BIEN 540   | Information Storage and Processing in Biological Systems.    | 3       |
| BIEN 580   | Synthetic Biology.                                           | 3       |
| BIEN 680   | Bioprocessing of Vaccines.                                   | 4       |
| BMDE 501   | Selected Topics in Biomedical Engineering.                   | 3       |
| BMDE 504   | Biomaterials and Bioperformance.                             | 3       |
| BMDE 505   | Cell and Tissue Engineering.                                 | 3       |
| BMDE 508   | Introduction to Micro and Nano-Bioengineering.               | 3       |
| BMDE 525D1 | Design of Assistive Technologies: Principles and Praxis.     | 3       |
| BMDE 525D2 | Design of Assistive Technologies: Principles and Praxis.     | 3       |
| BMDE 650   | Advanced Medical Imaging.                                    | 3       |
| BMDE 654   | Biomedical Regulatory Affairs - Medical Devices.             | 3       |

The remaining 12 credits of complementary courses must come from core or non-core complementary courses chosen from BBME courses or from other courses, at the 500 level or higher. At least 6 of the 12

<sup>1</sup> Students take either BBME 600D1 Seminars in Biological and Biomedical Engineering. and BBME 600D2 Seminars in Biological

credits must have both life sciences content and content from the physical sciences, engineering or computer science. The selection of courses must have the prior written approval of the Graduate Program Director.

## Biological and Biomedical Engineering - Biomanufacturing (Non-Thesis) (M.Eng.) (45 credits)

**Offered by:** Biological & Biomedical Engineering

**Degree:** Master of Engineering

**Program credit weight:** 45

### Program Description

The M.Eng. in Biological and Biomedical Engineering; Non-Thesis - Biomanufacturing focuses on the life sciences, the physical sciences, and engineering, industrial practices and processes, and data science for application in the field of biomanufacturing. Hands-on experience available through projects carried out during internships in academic, industrial, and governmental laboratories.

### Required Courses (21 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| BBME 681 | Internship 1. <sup>1</sup>               | 9       |
| BBME 682 | Internship 2. <sup>1</sup>               | 9       |
| BIEN 601 | cGMP and Regulation in Biomanufacturing. | 3       |

<sup>1</sup> must take place in the Biomanufacturing sector

### Complementary Courses (24 credits)

Minimum of 18 credits from the following three lists of core courses. At least 12 credits must be chosen from biomanufacturing core courses. At least 12 credits must be chosen from BBME core courses, of which at least 6 credits must be chosen from quantitative courses.

#### Biomanufacturing Core

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIEN 580 | Synthetic Biology.                                    | 3       |
| BIEN 585 | Metabolic Engineering.                                | 3       |
| BIEN 590 | Cell Culture Engineering.                             | 3       |
| BIEN 602 | Biomanufacturing for RNA Biologics .                  | 3       |
| BIEN 670 | Downstream Processing .                               | 3       |
| BIEN 675 | Process Analytical Technologies and Data Sciences .   | 3       |
| BIEN 680 | Bioprocessing of Vaccines.                            | 4       |
| BIEN 685 | Gene and Cell Therapy Viral Vectors Biomanufacturing. | 3       |
| BMDE 505 | Cell and Tissue Engineering.                          | 3       |

|          |                                              |   |
|----------|----------------------------------------------|---|
| BMDE 507 | Formulation and Delivery of Biotherapeutics. | 3 |
| CHEE 512 | Stem Cell Bioprocess Engineering.            | 3 |
| CHEE 651 | Advanced Biochemical Engineering.            | 4 |

#### BBME Courses (Quantitative)

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIEN 510 | Engineered Nanomaterials for Biomedical Applications. | 3       |
| BIEN 530 | Imaging and Bioanalytical Instrumentation.            | 3       |
| BIEN 550 | Biomolecular Devices.                                 | 3       |
| BIEN 560 | Design of Biosensors.                                 | 3       |
| BIEN 570 | Active Mechanics in Biology.                          | 3       |
| BIEN 590 | Cell Culture Engineering.                             | 3       |
| BMDE 502 | BME Modelling and Identification.                     | 3       |
| BMDE 503 | Biomedical Instrumentation.                           | 3       |
| BMDE 512 | Finite-Element Modelling in Biomedical Engineering.   | 3       |
| BMDE 519 | Biomedical Signals and Systems.                       | 3       |
| BMDE 520 | Machine Learning for Biomedical Data.                 | 3       |
| BMDE 610 | Functional Neuroimaging Fusion.                       | 3       |

#### BBME Core (Non-Quantitative)

Expand allContract all

| Course     | Title                                                        | Credits |
|------------|--------------------------------------------------------------|---------|
| BIEN 500   | Special Topics in Bioengineering 1.                          | 3       |
| BIEN 535   | Electron Microscopy and 3D Imaging for Biological Materials. | 3       |
| BIEN 540   | Information Storage and Processing in Biological Systems.    | 3       |
| BIEN 580   | Synthetic Biology.                                           | 3       |
| BIEN 680   | Bioprocessing of Vaccines.                                   | 4       |
| BMDE 501   | Selected Topics in Biomedical Engineering.                   | 3       |
| BMDE 504   | Biomaterials and Bioperformance.                             | 3       |
| BMDE 505   | Cell and Tissue Engineering.                                 | 3       |
| BMDE 508   | Introduction to Micro and Nano-Bioengineering.               | 3       |
| BMDE 525D1 | Design of Assistive Technologies: Principles and Praxis.     | 3       |
| BMDE 525D2 | Design of Assistive Technologies: Principles and Praxis.     | 3       |
| BMDE 650   | Advanced Medical Imaging.                                    | 3       |
| BMDE 654   | Biomedical Regulatory Affairs - Medical Devices.             | 3       |

Remaining complementary course credits must come from core or non-core complementary courses chosen from BBME courses or from other courses, at the 500 level or higher. The selection of courses must have the prior written approval of the Graduate Program Director.

# Biological and Biomedical Engineering (Ph.D.)

**Offered by:** Biological & Biomedical Engineering

**Degree:** Doctor of Philosophy

## Program Description

The goal of the Biological and Biomedical Engineering Ph.D. program is for students to gain advanced training in the interdisciplinary application of methods, paradigms, technologies, and devices from engineering and the natural sciences to problems in biology, medicine, and the life sciences. The program will focus in an area of choice while integrating quantitative concepts and engineering tools for the study of life sciences and/or for patient care. As part of the Ph.D. requirement, the student will integrate the scientific method, develop critical and deep thinking, and acquire advanced writing and presentation skills that will form the foundation for his/her career. Under the guidance of his/her supervisor, the student will tackle a research challenge and make original contributions to the advancement of science and engineering in an area of Biological and Biomedical Engineering. The program will prepare students for careers in academia, industry, hospitals and government. Students who complete the program will obtain a Doctor of Philosophy in Biological and Biomedical Engineering. The best preparation for this program is a Master's degree in BBME or a related discipline.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Course

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| BBME 701 | Ph.D. Comprehensive Examination. | 0       |

Students must be registered in this course at the time of the Thesis Proposal and Comprehensive Exam Meeting.

Further courses may be required by the supervisor(s) in consultation with the Graduate Program Director, depending on the educational background of individual students.

## Biologics Manufacturing (Gr. Cert.) (15 credits)

**Offered by:** Bioengineering (Faculty of Engineering)

**Program credit weight:** 15-16

## Program Description

The Graduate Certificate in Biologics Manufacturing focuses on the life sciences, the physical sciences, engineering, industrial practices and process sciences, regulatory requirements for biologics and data science for application in the sector of biologics manufacturing driven by the concept manufacturing 4.0.

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| BIEN 590 | Cell Culture Engineering.                           | 3       |
| BIEN 601 | cGMP and Regulation in Biomanufacturing.            | 3       |
| BIEN 670 | Downstream Processing .                             | 3       |
| BIEN 675 | Process Analytical Technologies and Data Sciences . | 3       |

## Complementary Courses (3-4 credits)

3 or 4 credits from the following:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIEN 602 | Biomanufacturing for RNA Biologics .                  | 3       |
| BIEN 680 | Bioprocessing of Vaccines.                            | 4       |
| BIEN 685 | Gene and Cell Therapy Viral Vectors Biomanufacturing. | 3       |
| CHEE 512 | Stem Cell Bioprocess Engineering.                     | 3       |
| CHEE 651 | Advanced Biochemical Engineering.                     | 4       |



# Biophysics

## About Biophysics and CRBS

Biophysics is the set of scientific disciplines where the theories and methods of physics are applied to biological systems, allowing the most rigorous possible understanding of biology. Biophysics has driven many of the most transformative scientific advances of the past century, and its importance in cutting-edge research will continue to grow with current and future technological development. McGill's PhD in Biophysics features research in laboratories of the *Centre de recherche en biologie structurale* (CRBS), a top-notch McGill research centre in biophysics and structural biology. The mission of CRBS is to exploit the power of structural biology and biophysics to make breakthroughs in understanding health and disease, and to train a new generation of structural biologists and biophysicists with outstanding expertise in cross-disciplinary approaches for biomedical research.

Please refer to the CRBS website for further details.

## Doctor of Philosophy (Ph.D.) in Biophysics

### Biophysics Admission Requirements and Application Procedures

Applicants are expected to hold of a degree in a subject related to biophysics, in biology (e.g. anatomy, biology, biochemistry, microbiology and immunology, molecular biology, pharmacology, physiology), engineering, physics, or chemistry fields. Applicants should hold both Master's and bachelor's degrees with a minimum cumulative GPA of 3.5/4.0 on the McGill scale, or a bachelor's degree with a GPA of 3.7/4.0 on the McGill scale and strong research experience. Applicants are admitted to the Program after interview by the admission committee and do not require acceptance by a thesis advisor at time of admission.

Non-Canadian applicants to graduate studies whose mother tongue is not English and whose undergraduate education was not in English are required to provide a proof of English proficiency : a Test of English as a Foreign Language (TOEFL) minimum score of 86 (internet-based test) with each component score not less than 20; or International English Language Testing System (IELTS) minimum overall band score of 6.5.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

Refer to the Application Procedures site for detailed information on application procedures.

## Additional Requirements

As part of the application package, applicants are required to provide:

- A curriculum vitae
- A 1000-word personal statement describing their educational background, research experience and motivation for applying to the program
- Two letters of reference, submitted directly from referees who interacted with the candidate in a professional or educational capacity

- All official transcripts from post-secondary education
- A non-refundable application fee

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by Biophysics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Doctor of Philosophy (Ph.D.) in Biophysics

The Biophysics program expects students from various backgrounds, so has designed courses and training that provide a strong foundation in fundamental aspects of biophysics and offers a deep dive into the various methodologies used in biophysics. These courses will help provide students with a comprehensive understanding of biophysics, including the breadth of biophysics research. BPHY601, "Fundamentals of Biophysics", is a year-long foundational course designed to provide basics necessary topics of biophysics; BPHY602, "Current Topics in Biophysics" is a publications-based course to show the multidisciplinary aspects of biophysics and demonstrate how integration of disciplines can lead to important advances; and BPHY603 "Effective Scientific Communication" trains students in scientific communication, presentations and writing. Students will also complete one of a strong offering of complementary courses from ten McGill departments. Students will also have small group, hands-on training through workshops and bootcamps on state-of-the-art facilities for diverse biophysical approaches, led by expert faculty and fantastic support personnel.

To provide an opportunity to participate in a breadth of biophysics research, and best discover what matches their interests, first year Biophysics students will perform three, 3-month research rotations with Graduate Program in Biophysics supervisors (members of the McGill Centre de recherche en biologie structurale; CRBS), before joining a laboratory in the summer of that year to undertake thesis research.

## Contact

Email: [coordinator.biophysics@mcgill.ca](mailto:coordinator.biophysics@mcgill.ca)

Website: [crbsmcgill.ca/graduate-program-in-biophysics](http://crbsmcgill.ca/graduate-program-in-biophysics)

## Biophysics (Ph.D.)

**Offered by:** Graduate and Postdoctoral Studies

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Biophysics offers training in the understanding of the fundamental processes of biological systems through the application of biophysical techniques, coupled with molecular biology, biochemistry, bioengineering, immunology, cell biology, physiology, and

pharmacology. This program is designed to provide comprehensive insight into the many disciplines that comprise biophysics research and fundamental biophysics. The program includes laboratory rotations and a Ph.D. thesis research project.

## Required Courses (9 credits)

Expand allContract all

| Course     | Title                           | Credits |
|------------|---------------------------------|---------|
| BPHY 601D1 | Fundamentals in Biophysics      | 3       |
| BPHY 601D2 | Fundamentals in Biophysics      | 3       |
| BPHY 602D1 | Current Topics in Biophysics    | 1       |
| BPHY 602D2 | Current Topics in Biophysics    | 1       |
| BPHY 603   | Effective Science Communication | 1       |
| BPHY 701   | Ph.D. Comprehensive Examination | 0       |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| BIEN 530 | Imaging and Bioanalytical Instrumentation.                   | 3       |
| BIEN 535 | Electron Microscopy and 3D Imaging for Biological Materials. | 3       |
| BIEN 580 | Synthetic Biology.                                           | 3       |
| BIOC 604 | Macromolecular Structure.                                    | 3       |
| BIOC 605 | Protein Biology and Proteomics.                              | 3       |
| BIOL 592 | Integrated Bioinformatics.                                   | 3       |
| BMDE 505 | Cell and Tissue Engineering.                                 | 3       |
| BMDE 507 | Formulation and Delivery of Biotherapeutics.                 | 3       |
| BTEC 555 | Structural Bioinformatics.                                   | 3       |
| BTEC 650 | Therapeutic Antibody Design.                                 | 3       |
| CHEM 603 | Principles and Applications of Materials Characterization.   | 3       |
| PHYS 519 | Advanced Biophysics.                                         | 3       |

# Neuroscience (Integrated Program)

## 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 650 M.Sc. and Ph.D. students and more than 230 supervisors, the IPN is the largest interfaculty graduate program 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 [mcgill.ca/ipn/events/ipn-retreat](http://mcgill.ca/ipn/events/ipn-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 must identify a supervisor, selecting from one of several research streams which span the full spectrum of neuroscience research. A student with a bachelor's degree may apply to the **M.Sc.** program; it is common to fast-track to the **Ph.D.** program if suitable progress is made. Students with M.Sc. degrees may apply directly to the Ph.D. program. 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 (maximum three) other individuals who will participate in discussions with students about their research program.
2. All Ph.D. students are required to complete a candidacy examination before the end of Ph.D. 3. The exam serves to evaluate the students' ability to perform original scholarship and to demonstrate their suitability for a Ph.D. degree. 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 allowed if the master's CGPA is 3.5 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 3.5 CGPA in their M.Sc. coursework while in the IPN, must submit a master's thesis and apply for the Ph.D. level afterwards.
3. Students are required to submit a written thesis proposal (18 months after the start of the program for M.Sc. students, and at least one month prior to the candidacy exam for Ph.D. students). This document must state the research question, present the hypothesis being tested, review the relevant literature, summarize the methodology used, and present the research data to date. This proposal will then be orally presented to the student's Advisory Committee members, who will review the written proposal and communicate their recommendations to the student.

4. 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.
5. Before final thesis submission, Ph.D. students must successfully complete an oral defence, which is a final, in-depth, formal presentation of their research.
6. An annual oral informal presentation of research work accomplished will be presented to the student's Advisory Committee.
7. 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.
8. 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.

## Master of Science (M.Sc.) Neuroscience (Thesis) (45 credits) (p. 329)

The M.Sc. program offers opportunities to a great diversity of individual interests and backgrounds, and prepares our students for scientific careers in neuroscience and related fields. Programs leading to an M.Sc. degree require the completion of intensive academic and research training.

## Doctor of Philosophy (Ph.D.) Neuroscience (p. 330)

The IPN offers a highly competitive Ph.D. 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.

## Neuroscience (Integrated Program) Admission Requirements and Application Procedures

### Admission Requirements

#### General

1. Applicants must hold a bachelor's degree, or its equivalent, from a recognized institution in a field related to the subject selected for graduate work, and must display an adequate background in basic sciences.
2. The applicant must present evidence of high academic achievement. A Standing equivalent to a cumulative grade point average (CGPA) of 3.0/4.0 is required by Graduate and Postdoctoral Studies; however, the Integrated Program in Neuroscience (IPN) seeks applicants with a higher Academic Standing, and thus, requires a minimum CGPA of 3.3/4.0.
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 a TOEFL or

IELTS exam with their application. Consult the Integrated Program in Neuroscience's website for details.

### M.Sc. Degree

Bachelor's degree with adequate background in basic sciences, or an M.D.

### Ph.D. Degree

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 Doctor of Medicine and Master of Surgery with Ph.D. (Joint M.D.,C.M. & Ph.D.) program through the Faculty of Medicine and Health Sciences at McGill University.

Students currently registered in the Master's 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 Academic Standing equal to, or greater than, the minimum CGPA of 3.5/4.0 in all levels of study. In exceptional circumstances, a student **may** enter the Ph.D. program directly from their undergraduate degree if a CGPA of 3.7/4.0 is attained and if the student already presents extensive research experience.

To meet incoming students' diversity of individual interests and backgrounds, a graduate program is designed for each student 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. These decisions become an integral part of the graduation requirements for the student.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement
- Letters of Recommendation (two)

Consult the Integrated Program in Neuroscience's website for further details.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the IPN and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### Available Programs

- Neuroscience (Ph.D.) (p. 330)
- Neuroscience (Thesis) (M.Sc.) (45 credits) (p. 329)

### Location

Irving Ludmer Pavillion, Room 302  
1033 Pine Ave. W.  
Montréal, QC H3A 1A2

Website: [mcgill.ca/ipn](http://mcgill.ca/ipn)

### Neuroscience (Thesis) (M.Sc.) (45 credits)

**Offered by:** Neuroscience, Integrated Pgm (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science in Neuroscience; Thesis program is a graduate research-based program of 45 credits. The program offers opportunities for cutting-edge research in diverse fields of neuroscience, ranging from cellular and molecular, to behavioural and cognitive. The program provides research in multiple branches of neuroscience.

### Required Courses (36 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| NEUR 696 | Master's Thesis Research.      | 6       |
| NEUR 697 | Master's Thesis Proposal.      | 9       |
| NEUR 698 | Master's Seminar Presentation. | 9       |
| NEUR 699 | Master's Thesis Submission.    | 12      |
| NEUR 705 | Responsible Research Conduct.  | 0       |

### Complementary Courses (9 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| NEUR 630 | Principles of Neuroscience 1. | 3       |
| NEUR 631 | Principles of Neuroscience 2. | 3       |

And 6 credits in other courses at the 500 level or higher that are relevant to the program.

Upon recommendation, depending upon their particular background and needs, students may be requested to take additional selected courses at the 500 level or higher.

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.

# Neuroscience (Ph.D.)

**Offered by:** Neuroscience, Integrated Pgm (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Neuroscience involves conducting neuroscientific research that leads to a written thesis. The program offers opportunities for cutting-edge research in diverse fields of neuroscience, ranging from cellular and molecular, to behavioural and cognitive. The program provides research in multiple branches of neuroscience.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| NEUR 630 | Principles of Neuroscience 1.   | 3       |
| NEUR 631 | Principles of Neuroscience 2.   | 3       |
| NEUR 700 | Doctoral Candidacy Examination. | 0       |
| NEUR 705 | Responsible Research Conduct.   | 0       |

## Complementary Courses (6 credits)

6 credits at the 500, 600, or 700 level, approved by the graduate program advisor.



# Quantitative Life Sciences

## About Quantitative Life Sciences

Quantitative Life Sciences is the broad application of mathematical, computational, and other quantitative methods to study biological systems at all scales—from single molecules to the environment. It is part of a rapidly expanding field that includes such specializations as systems biology, bioinformatics, biophysics, medical informatics, computational biology, computational pharmacology, computational neuroscience, and mathematical biology.

Please refer to the QLS website for further details.

## Doctor of Philosophy (Ph.D.) Quantitative Life Sciences Quantitative Life Sciences Admission Requirements and Application Procedures

### Admission Requirements

#### General

Applicants are expected to hold an undergraduate degree in one of the following areas (or equivalent): biology, chemistry, physiology, genetics, engineering, computer science, mathematics, statistics, physics, or chemistry.

Applicants must have a strong quantitative background. Such a background may be obtained by having at least the equivalent of a minor in computer science, mathematics, statistics, physics, chemistry, or engineering.

Applicants who do not have a formal education in life sciences must have a demonstrated interest in the field, for example, through an undergraduate research project or the completion of life-science courses.

Applicants are expected to have attained a high Academic Standing equal to, or greater than, the minimum Cumulative Grade Point Average of 3.3/4.0 in **all** levels of study.

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 86 on the Internet-based test (iBT) with each component score not less than 20. Refer to the English language proficiency site for further information on language requirements.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

Refer to the Application Procedures (p. ) site for detailed information on application procedures.

## Additional Requirements

The items below are additional requirements set by this department:

- Curriculum vitae
- Personal statement
- Research statement
- Two reference letters
- Copy of official transcripts

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by Quantitative Life Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### Available Programs

- Quantitative Life Sciences (Ph.D.) (p. 331)

## Location

Email: [coordinator.qls@mcgill.ca](mailto:coordinator.qls@mcgill.ca)

Website: [mcgill.ca/qls](http://mcgill.ca/qls)

## Quantitative Life Sciences (Ph.D.)

**Offered by:** Quantitative Life Sciences

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand all Contract all

| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| QLSC 600D1 | Foundations of Quantitative Life Sciences. | 3       |
| QLSC 600D2 | Foundations of Quantitative Life Sciences. | 3       |
| QLSC 601D1 | Quantitative Life Sciences Seminars 1.     | 0       |
| QLSC 601D2 | Quantitative Life Sciences Seminars 1.     | 0       |
| QLSC 602D1 | Quantitative Life Sciences Seminars 2.     | 0       |
| QLSC 602D2 | Quantitative Life Sciences Seminars 2.     | 0       |
| QLSC 603D1 | Quantitative Life Sciences Seminars 3.     | 0       |

|            |                                        |   |
|------------|----------------------------------------|---|
| QLSC 603D2 | Quantitative Life Sciences Seminars 3. | 0 |
| QLSC 701   | Ph.D. Comprehensive Exam.              | 0 |

## Complementary Courses (9-11 credits)

Students will be required to take one or two courses from each of the Quantitative and Life Science Blocks for a total of three, stream-specific courses.

### Biophysics Stream

#### Quantitative

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| BIEN 530 | Imaging and Bioanalytical Instrumentation.          | 3       |
| BMDE 512 | Finite-Element Modelling in Biomedical Engineering. | 3       |
| BMDE 519 | Biomedical Signals and Systems.                     | 3       |
| CHEM 514 | Biophysical Chemistry.                              | 3       |
| CHEM 520 | Methods in Chemical Biology.                        | 3       |
| COMP 551 | Applied Machine Learning.                           | 4       |
| MATH 682 | Statistical Inference.                              | 4       |
| PHYS 519 | Advanced Biophysics.                                | 3       |
| PHYS 559 | Advanced Statistical Mechanics.                     | 3       |
| QLSC 611 | Directed Readings.                                  | 3       |

#### Life Sciences

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| BIOC 605 | Protein Biology and Proteomics. | 3       |
| BIOL 551 | Principles of Cellular Control. | 3       |
| PHGY 518 | Artificial Cells.               | 3       |
| QLSC 611 | Directed Readings.              | 3       |

### Computational and Statistical Molecular Biology Stream

#### Quantitative

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIOS 601 | Epidemiology: Introduction and Statistical Models.    | 4       |
| BMDE 502 | BME Modelling and Identification.                     | 3       |
| COMP 551 | Applied Machine Learning.                             | 4       |
| COMP 561 | Computational Biology Methods and Research.           | 4       |
| COMP 598 | Topics in CS: Applications 1                          | 4       |
| HGEN 677 | Statistical Concepts in Genetic and Genomic Analysis. | 3       |
| MATH 523 | Generalized Linear Models.                            | 4       |
| MATH 533 | Regression and Analysis of Variance.                  | 4       |
| MATH 680 | Computation Intensive Statistics.                     | 4       |

|          |                        |   |
|----------|------------------------|---|
| MATH 682 | Statistical Inference. | 4 |
| QLSC 611 | Directed Readings.     | 3 |

#### Life Sciences

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| BIOC 603 | Genomics and Gene Expression.     | 3       |
| BIOL 551 | Principles of Cellular Control.   | 3       |
| EXMD 602 | Techniques in Molecular Genetics. | 3       |
| HGEN 661 | Population Genetics.              | 3       |
| HGEN 692 | Human Genetics.                   | 3       |
| PHAR 503 | Drug Discovery and Development 1. | 3       |
| PHAR 505 | Structural Pharmacology.          | 3       |
| QLSC 611 | Directed Readings.                | 3       |

### Ecosystems Stream

#### Quantitative

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVB 506 | Quantitative Methods: Ecology.          | 3       |
| MATH 523 | Generalized Linear Models.              | 4       |
| MATH 525 | Sampling Theory and Applications.       | 4       |
| MATH 533 | Regression and Analysis of Variance.    | 4       |
| MATH 537 | Honours Mathematical Models in Biology. | 4       |
| MATH 547 | Stochastic Processes.                   | 4       |
| MATH 556 | Mathematical Statistics 1.              | 4       |
| MATH 682 | Statistical Inference.                  | 4       |
| QLSC 611 | Directed Readings.                      | 3       |

#### Life Sciences

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| BIOL 510 | Advances in Community Ecology.             | 3       |
| BIOL 540 | Ecology of Species Invasions. <sup>1</sup> | 3       |
| BIOL 594 | Advanced Evolutionary Ecology.             | 3       |
| ENVR 540 | Ecology of Species Invasions. <sup>1</sup> | 3       |
| QLSC 611 | Directed Readings.                         | 3       |

<sup>1</sup> Students either choose BIOL 540 Ecology of Species Invasions. or ENVR 540 Ecology of Species Invasions. but not both

# Law

Bienvenue à la Faculté de droit de l'Université McGill!

McGill's distinctive legal education is one of the best in the world. It crosses boundaries of language, jurisdiction, legal tradition, discipline, and culture. It equips jurists with the critical knowledge, skills, and ethical grounding to excel as problem solvers and architects of social order. It prepares graduates for a world where boundaries are porous and shifting—where people, goods, and ideas move further and faster than ever.

Our double-degree program explores legal traditions from a unique comparative and integrated perspective. Consistent with the Faculty of Law's location on the traditional territory of the Kanien'kehá:ka people and with the calls to action of the Truth and Reconciliation Commission, our double-degree program increasingly includes Indigenous legal traditions. Within our graduate program's vibrant community, our master's and doctoral students receive dedicated attention from a diverse group of leading researchers. Our doctoral students receive a preparation for law teaching that has no equal.

La Faculté de droit est située au cœur de Montréal, une métropole francophone caractérisée par un environnement culturel dynamique et pluraliste. Cet environnement cosmopolite a guidé notre mission fondamentale. L'enseignement et la recherche s'y déroulent en anglais et en français, en droit civil comme en common law.

The Faculty is outward-looking and international, recruiting professors from around the world. The B.C.L./J.D. class entering in 2019 included students born in 29 countries and speaking 15 mother tongues, and our graduate student population is drawn from five continents.

We earned our extraordinary reputation with our unique program and path-breaking research. Our professors are deeply committed to our students' success. And we're taking steps to be more inclusive towards a broad range of learners—and to better represent our diverse society, including Canada's indigenous peoples.

## 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 unrivaled experience for graduate students. Grounded in Montreal, a city that 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's Faculty of Law is a meeting place for the 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, **Doctor of Civil Law** (D.C.L.), and **Graduate Certificates**.

Students may choose to pursue either the LL.M. in General Law, Air and Space Law, Bioethics, Comparative Law, or Environment; or the D.C.L. in General Law, Comparative Law, or Air and Space Law. Graduate Certificates may only be completed in Comparative Law or in Air and Space Law.

## Law Admission Requirements and Application Procedures

### Admission Requirements

Applicants must submit their application through McGill's online application system at [mcgill.ca/gradapplicants/how-apply/submit-your-application](http://mcgill.ca/gradapplicants/how-apply/submit-your-application). For detailed information on the application process, please visit the Faculty website.

### Language Requirement

Graduate-level courses are generally offered in English, and an adequate level of proficiency in English must be demonstrated for admission. In order 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. In areas such as the study of private law in the civilian tradition or comparative private law, a reading knowledge of French is essential.

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required **prior to admission**. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/law/grad-studies/admissions-guide/eligibility](http://mcgill.ca/law/grad-studies/admissions-guide/eligibility).

### LL.M. Programs

Candidates for admission to the master's programs must hold a bachelor's degree (or equivalent) in Law (such as LL.B. or J.D.), with a minimum cumulative grade point average (CGPA) of 3.0/4.0 (or equivalent). This Standing does not guarantee admission; the Graduate Admissions Committee weighs the entire dossier, including the applicant's reference letters and the quality of the research proposal.

### LL.M. Interdisciplinary Options

**Note:** The availability of these options is subject to relevant courses being offered in a given year.

1. **Environment Option:** This option is available to students who apply for admission to the LL.M. Thesis or Non-Thesis program at the Faculty of Law. For further information, see the Environment (p. 319) page or visit the Bieler School of Environment.
2. **Bioethics Option:** This option is available to students who apply for admission to the LL.M. Thesis program at the Faculty of Law. For further information, see the Bioethics (p. 415) page or visit the Department of Equity, Ethics, and Policy.

### D.C.L. Programs

Applicants demonstrating outstanding academic ability will be considered for admission to the doctoral program.

In addition to the requirements for admission to the LL.M. programs, D.C.L. applicants must also hold a master's degree (or equivalent) in Law, with a minimum cumulative grade point average (CGPA) of

3.0/4.0 (or equivalent). Admission to the doctoral program is always dependent on the availability of a suitable supervisor.

## Graduate Certificate Programs

The requirements for admission to the graduate certificate programs are essentially the same as for the LL.M. programs, except that greater weight may be placed on professional experience. For further information, visit [mcgill.ca/law/grad-studies/admissions-guide/](http://mcgill.ca/law/grad-studies/admissions-guide/) eligibility. Graduate certificate programs are available in the following two fields:

1. Graduate Certificate in Air and Space Law
2. Graduate Certificate in Comparative Law

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See the Application Procedures (p. 53) page for detailed information.

## Additional Requirements

The items below are additional requirements set by the Faculty of Law. For further information, visit [mcgill.ca/law/grad-studies/admissions-guide/deadlines-and-documents](http://mcgill.ca/law/grad-studies/admissions-guide/deadlines-and-documents).

- Proof of English proficiency (for applicants whose mother tongue is not English)
- Research Proposal (D.C.L. and LL.M. applicants)
- Personal Statement (graduate certificate applicants only)
- Two Reference Letters from **academic referees**
- Curriculum Vitae
- Master's thesis (D.C.L. applicants only)

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Faculty of Law and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on **application deadlines** is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

The application deadline to all graduate programs in Law (LL.M., D.C.L., Graduate Certificates) is **December 1. The Faculty of Law will not consider applications received on or after December 2.**

The Faculty of Law offers **Fall term admission only**; the Faculty will not consider applications for Winter or Summer entry. Applications submitted for the Winter and Summer terms will be cancelled without reimbursement of the application fee.

**Note:** The application fee is non-refundable.

## 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 five inter-related concentrations.

### 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:**

| Expand all | Contract all                         |  |         |
|------------|--------------------------------------|--|---------|
| Course     | Title                                |  | Credits |
| CMPL 500   | Indigenous Peoples and the State.    |  | 3       |
| PUB2 501   | Advanced Criminal Law.               |  | 3       |
| CMPL 547   | Canadian Legal History.              |  | 3       |
| CMPL 519   | Comparative Modern Legal History.    |  | 3       |
| CMPL 504   | Feminist Legal Theory.               |  | 3       |
| CMPL 603   | Human Rights and Cultural Diversity. |  | 3       |
| CMPL 501   | Jurisprudence.                       |  | 3       |
| LAWG 625   | Legal Education Seminar.             |  | 3       |
| CMPL 506   | Legal Theory.                        |  | 3       |
| CMPL 600   | Legal Traditions.                    |  | 3       |
| PRV4 500   | Restitution.                         |  | 3       |
| PUB2 504   | Sentencing in Canadian Law.          |  | 3       |
| CMPL 511   | Social Diversity and Law.            |  | 3       |
| CMPL 513   | Talmudic Law.                        |  | 3       |
| CMPL 641   | Theoretical Approaches to Law.       |  | 3       |

### International Business Law

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:**

| Expand all | Contract all                    |  |         |
|------------|---------------------------------|--|---------|
| Course     | Title                           |  | Credits |
| ASPL 614   | Airline Business and Law.       |  | 3       |
| ASPL 632   | Comparative Air Law.            |  | 3       |
| BUS2 505   | Corporate Finance.              |  | 3       |
| CMPL 536   | European Union Law 1.           |  | 3       |
| CMPL 537   | European Union Law 2.           |  | 3       |
| CMPL 574   | Government Control of Business. |  | 3       |

|          |                                               |   |
|----------|-----------------------------------------------|---|
| ASPL 639 | Government Regulation of Space Activities.    | 3 |
| BUS2 502 | Intellectual and Industrial Property.         | 3 |
| CMPL 604 | International Business Law.                   | 3 |
| CMPL 515 | International Carriage of Goods by Sea.       | 3 |
| CMPL 516 | International Development Law.                | 3 |
| CMPL 546 | International Environmental Law and Politics. | 3 |
| CMPL 553 | International Maritime Conventions.           | 3 |
| CMPL 539 | International Taxation.                       | 3 |
| CMPL 543 | Law and Practice of International Trade.      | 3 |
| ASPL 638 | Law of Space Applications.                    | 3 |
| BUS2 501 | Patent Theory and Policy.                     | 3 |
| ASPL 636 | Private International Air Law.                | 3 |
| ASPL 633 | Public International Air Law.                 | 3 |
| CMPL 533 | Resolution of International Disputes.         | 3 |
| BUS2 504 | Securities Regulation.                        | 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:

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| CMPL 500 | Indigenous Peoples and the State.    | 3       |
| PUB2 501 | Advanced Criminal Law.               | 3       |
| PRV2 500 | Children and the Law.                | 3       |
| CMPL 573 | Civil Liberties.                     | 3       |
| CMPL 575 | Discrimination and the Law.          | 3       |
| CMPL 504 | Feminist Legal Theory.               | 3       |
| CMPL 603 | Human Rights and Cultural Diversity. | 3       |
| PUB2 502 | International Criminal Law.          | 3       |
| CMPL 565 | International Humanitarian Law.      | 3       |
| CMPL 571 | International Law of Human Rights.   | 3       |
| PUB2 500 | Law and Psychiatry.                  | 3       |
| CMPL 511 | Social Diversity and Law.            | 3       |

## 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:

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| CMPL 577 | Communications Law.                           | 3       |
| CMPL 580 | Environment and the Law.                      | 3       |
| CMPL 574 | Government Control of Business.               | 3       |
| BUS2 502 | Intellectual and Industrial Property.         | 3       |
| CMPL 546 | International Environmental Law and Politics. | 3       |
| PRV4 545 | Land Use Planning.                            | 3       |
| CMPL 642 | Law and Health Care.                          | 3       |
| PUB2 500 | Law and Psychiatry.                           | 3       |
| CMPL 522 | Medical Liability.                            | 3       |
| CMPL 518 | Public Policy, Politics and Law               | 3       |

## Air and Space Law

This field explores legal issues that arise from international civil aviation and new technologies in space. It provides a comprehensive understanding of the legal processes regulating worldwide aerospace activities.

### Courses offered within this concentration may include:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| ASPL 613 | Government Regulation of Air Transport.    | 3       |
| ASPL 614 | Airline Business and Law.                  | 3       |
| ASPL 632 | Comparative Air Law.                       | 3       |
| ASPL 633 | Public International Air Law.              | 3       |
| ASPL 636 | Private International Air Law.             | 3       |
| ASPL 637 | Space Law: General Principles.             | 3       |
| ASPL 638 | Law of Space Applications.                 | 3       |
| ASPL 639 | Government Regulation of Space Activities. | 3       |

## Available Programs

- Air and Space Law (D.C.L.) (p. 336)
- Air and Space Law (Gr. Cert.) (15 credits) (p. 336)
- Comparative Law (Gr. Cert.) (15 credits) (p. 336)
- Law (D.C.L.) (p. 337)
- Law (Non-Thesis) (LL.M.) (45 credits) (p. 337)
- Law (Non-Thesis): Air and Space Law (LL.M.) (45 credits) (p. 338)
- Law (Non-Thesis): Comparative Law (LL.M.) (45 credits) (p. 338)
- Law (Non-Thesis): Environment (LL.M.) (45 credits) (p. 339)
- Law (Thesis) (LL.M.) (45 credits) (p. 339)
- Law (Thesis): Air and Space Law (LL.M.) (45 credits) (p. 340)
- Law (Thesis): Bioethics (LL.M.) (45 credits) (p. 341)
- Law (Thesis): Comparative Law (LL.M.) (45 credits) (p. 341)
- Law (Thesis): Environment (LL.M.) (45 credits) (p. 342)
- Law: Comparative Law (D.C.L.) (p. 343)

## Location

Faculty of Law  
Graduate Programs in Law  
New Chancellor Day Hall  
3644 Peel St., Room 406



Montréal, QC H3A 1W9

Telephone: 514-398-6635

Email: grad.law@mcgill.ca

Website: mcgill.ca/law/grad-studies

Associate Dean (Graduate Studies) — Colleen Sheppard

## Air and Space Law (D.C.L.)

**Offered by:** Air and Space Law (Faculty of Law)**Degree:** Doctor of Civil Law

### Program Description

The Institute of Air & Space Law offers a D.C.L. program in Air and Space Law, which allows the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member.

The degree will be awarded, at the earliest, after the completion of three years of residence. 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. The thesis must be submitted within 4 years of completion of the residency requirement. Every candidate must successfully pass a comprehensive examination, after one year which may occur in the first year of the program, but no later than the end of the second year of the program.

### Comprehensive - Required

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| ASPL 701 | Comprehensive - Air/Space Law. | 0       |

### Required Courses (5 Credits)

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| CMPL 641 | Theoretical Approaches to Law.            | 3       |
| LAWG 702 | Legal Research Methodology for DCL.       | 2       |
| LAWG 703 | Literature Review, Analysis and Proposal. | 0       |
| LAWG 704 | DCL Research Seminar 1.                   | 0       |
| LAWG 705 | DCL Research Seminar 2.                   | 0       |

### Complementary Course (0-3 Credits)

Some students are encouraged to take the following:

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| LAWG 601 | Communication 1. | 1.5     |
| LAWG 602 | Communication 2. | 1.5     |

## Air and Space Law (Gr. Cert.) (15 credits)

**Offered by:** Air and Space Law (Faculty of Law)**Program credit weight:** 15

### Program Description

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 one term of residence in the Faculty and upon completion of 15 academic credits of graduate law courses. Students must take 9 credits of required Air and Space Law courses and the additional 6 credits may consist of any 500-level or higher law course or other courses offered through the Institute of Air and Space Law. Exceptionally, and with the permission of the Associate Dean, Graduate Studies, the 15 credits may be taken over two terms.

For more information, see our website: <https://mcgill.ca/law/grad-studies/certificate-programs>.

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| ASPL 633 | Public International Air Law.  | 3       |
| ASPL 636 | Private International Air Law. | 3       |
| ASPL 637 | Space Law: General Principles. | 3       |

### Complementary Courses (6 credits)

6 additional credits of 500-level or higher law courses.

## Comparative Law (Gr. Cert.) (15 credits)

**Offered by:** Comparative Law (Faculty of Law)**Program credit weight:** 15

### Program Description

**\*\*This program is currently not offered.\*\***

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 one term of residence in the Faculty and upon completion of 15 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: <https://mcgill.ca/law/grad-studies/certificate-programs>.

## Complementary Courses

Courses at the 500 level or higher are chosen on an individual basis.

## Law (D.C.L.)

**Offered by:** Law (Faculty of Law)

**Degree:** Doctor of Civil Law

## Program Description

The Doctor of Civil Law (D.C.L.) program allows the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member.

The degree will be awarded, at the earliest, after the completion of 3 years of residence in the Faculty. 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. The thesis must be submitted within 4 years of completion of the residency requirement. Every candidate must successfully pass a comprehensive examination, after one year which may occur in the first year of the program, but no later than the end of the second year of the program.

## Comprehensive - Required

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| LAWG 701 | Comprehensive Exam - Law. | 0       |

## Required Courses (5 Credits)

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| CMPL 641 | Theoretical Approaches to Law.            | 3       |
| LAWG 702 | Legal Research Methodology for DCL.       | 2       |
| LAWG 703 | Literature Review, Analysis and Proposal. | 0       |
| LAWG 704 | DCL Research Seminar 1.                   | 0       |
| LAWG 705 | DCL Research Seminar 2.                   | 0       |

## Complementary Course (0-3 Credits)

Some students are encouraged to take the following:

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| LAWG 601 | Communication 1. | 1.5     |
| LAWG 602 | Communication 2. | 1.5     |

## Law (Non-Thesis) (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** Master of Laws

**Program credit weight:** 45

## Program Description

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.

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| CMPL 655 | Research Project 1. | 15      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| CMPL 610 | Legal Research Methodology 1.  | 1.5     |
| CMPL 611 | Legal Research Methodology 2.  | 1.5     |
| CMPL 641 | Theoretical Approaches to Law. | 3       |
| LAWG 601 | Communication 1.               | 1.5     |
| LAWG 602 | Communication 2.               | 1.5     |

## Complementary Courses (21 credits)

The remaining 21 credits (or fewer if more credits are earned for the research project) are chosen from among Faculty offerings at the 500 and 600 levels.

## Additional Research Project Courses

With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of research project courses by completing one or both of:

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| CMPL 656 | Research Project 2. | 2       |
| CMPL 657 | Research Project 3. | 1       |

# Law (Non-Thesis): Air and Space Law (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)  
**Degree:** Master of Laws  
**Program credit weight:** 45

## Program Description

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 (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.

| Expand allContract all |                     |         |
|------------------------|---------------------|---------|
| Course                 | Title               | Credits |
| ASPL 655               | Research Project 1. | 15      |

## Required Courses (12 credits)

| Expand allContract all |                                |         |
|------------------------|--------------------------------|---------|
| Course                 | Title                          | Credits |
| ASPL 633               | Public International Air Law.  | 3       |
| ASPL 636               | Private International Air Law. | 3       |
| ASPL 637               | Space Law: General Principles. | 3       |
| LAWG 601               | Communication 1.               | 1.5     |
| LAWG 602               | Communication 2.               | 1.5     |

## Complementary Courses (18 credits)

3 credits from the following:

| Expand allContract all |                                |         |
|------------------------|--------------------------------|---------|
| Course                 | Title                          | Credits |
| CMPL 610               | Legal Research Methodology 1.  | 1.5     |
| CMPL 611               | Legal Research Methodology 2.  | 1.5     |
| CMPL 641               | Theoretical Approaches to Law. | 3       |

15 credits (or fewer if more credits are earned for the research project) at the 500 level or higher chosen from among Faculty offerings (including ASPL offerings).

# Additional Research Project Courses

With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of research project courses by completing one or both of:

| Expand allContract all |                     |         |
|------------------------|---------------------|---------|
| Course                 | Title               | Credits |
| ASPL 656               | Research Project 2. | 2       |
| ASPL 657               | Research Project 3. | 1       |

# Law (Non-Thesis): Comparative Law (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)  
**Degree:** Master of Laws  
**Program credit weight:** 45

## Program Description

\*\* Availability of this program is subject to relevant courses being offered in a given year. \*\*

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.

| Expand allContract all |                     |         |
|------------------------|---------------------|---------|
| Course                 | Title               | Credits |
| CMPL 655               | Research Project 1. | 15      |

## Required Courses (12 credits)

| Expand allContract all |                                |         |
|------------------------|--------------------------------|---------|
| Course                 | Title                          | Credits |
| CMPL 600               | Legal Traditions.              | 3       |
| CMPL 610               | Legal Research Methodology 1.  | 1.5     |
| CMPL 611               | Legal Research Methodology 2.  | 1.5     |
| CMPL 641               | Theoretical Approaches to Law. | 3       |

|          |                  |     |
|----------|------------------|-----|
| LAWG 601 | Communication 1. | 1.5 |
| LAWG 602 | Communication 2. | 1.5 |

## 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 levels.

## Additional Research Project Courses

With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of research project courses by completing one or both of:

| Expand allContract all |                     |         |
|------------------------|---------------------|---------|
| Course                 | Title               | Credits |
| CMPL 656               | Research Project 2. | 2       |
| CMPL 657               | Research Project 3. | 1       |

## Law (Non-Thesis): Environment (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** Master of Laws

**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The 45-credit, LL.M. program, non-thesis option, in Environment is offered in collaboration with the Bieler School of Environment. The program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues. It complements previous legal education through specialized graduate-level coursework and in-depth research. The program focuses on selected areas of legal scholarship and includes a written, supervised, substantial, and publishable paper in a area of interest related to the environment.

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 (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.

| Expand allContract all |                     |         |
|------------------------|---------------------|---------|
| Course                 | Title               | Credits |
| CMPL 655               | Research Project 1. | 15      |

## Required Courses (9 credits)

| Expand allContract all |                               |         |
|------------------------|-------------------------------|---------|
| Course                 | Title                         | Credits |
| CMPL 610               | Legal Research Methodology 1. | 1.5     |
| CMPL 611               | Legal Research Methodology 2. | 1.5     |
| CMPL 615               | Master's Thesis 4.            | 6       |
| LAWG 601               | Communication 1.              | 1.5     |
| LAWG 602               | Communication 2.              | 1.5     |

## Complementary Courses (21 credits)

12-15 credits chosen from:

| Expand allContract all |                                               |         |
|------------------------|-----------------------------------------------|---------|
| Course                 | Title                                         | Credits |
| CMPL 500               | Indigenous Peoples and the State.             | 3       |
| CMPL 546               | International Environmental Law and Politics. | 3       |
| CMPL 580               | Environment and the Law.                      | 3       |

and/or other Faculty of Law offerings at the 500 level or higher.

3-6 credits chosen from:

| Expand allContract all |                                         |         |
|------------------------|-----------------------------------------|---------|
| Course                 | Title                                   | Credits |
| ENVR 610               | Foundations of Environmental Policy.    | 3       |
| ENVR 614               | Mobilizing Research for Sustainability. | 3       |

0-3 credits chosen from:

| Expand allContract all |                               |         |
|------------------------|-------------------------------|---------|
| Course                 | Title                         | Credits |
| ENVR 585               | Readings in Environment 2.    | 3       |
| ENVR 630               | Civilization and Environment. | 3       |
| ENVR 680               | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Law (Thesis) (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** Master of Laws

**Program credit weight:** 45

## Program Description

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: <https://mcgill.ca/law/grad-studies/masters-programs>.

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).

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| CMPL 612 | Master's Thesis 1. | 3       |
| CMPL 613 | Master's Thesis 2. | 3       |
| CMPL 614 | Master's Thesis 3. | 3       |
| CMPL 615 | Master's Thesis 4. | 6       |
| CMPL 616 | Master's Thesis 5. | 12      |
| CMPL 617 | Master's Thesis 6. | 3       |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| CMPL 610 | Legal Research Methodology 1.  | 1.5     |
| CMPL 611 | Legal Research Methodology 2.  | 1.5     |
| CMPL 641 | Theoretical Approaches to Law. | 3       |
| LAWG 601 | Communication 1.               | 1.5     |
| LAWG 602 | Communication 2.               | 1.5     |

## Complementary Courses (6 credits)

The remaining 6 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 Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of thesis courses by completing one or both of:

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| CMPL 618 | Master's Thesis 7. | 2       |
| CMPL 619 | Master's Thesis 8. | 1       |

## Law (Thesis): Air and Space Law (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** Master of Laws

**Program credit weight:** 45

## Program Description

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 (24 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).

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| ASPL 690 | Master's Thesis 1. | 3       |
| ASPL 691 | Master's Thesis 2. | 3       |
| ASPL 692 | Master's Thesis 3. | 6       |
| ASPL 693 | Master's Thesis 4. | 12      |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| ASPL 633 | Public International Air Law.  | 3       |
| ASPL 636 | Private International Air Law. | 3       |
| ASPL 637 | Space Law: General Principles. | 3       |
| LAWG 601 | Communication 1.               | 1.5     |
| LAWG 602 | Communication 2.               | 1.5     |



## Complementary Courses (9 credits)

6 credits at the 500 level or higher, chosen from among Faculty offerings (including ASPL offerings).

3 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| CMPL 610 | Legal Research Methodology 1.  | 1.5     |
| CMPL 611 | Legal Research Methodology 2.  | 1.5     |
| CMPL 641 | Theoretical Approaches to Law. | 3       |

## Law (Thesis): Bioethics (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** Master of Laws

**Program credit weight:** 45

### Program Description

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. Entering students 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 <https://www.mcgill.ca/biomedicaethicsunit/>.

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).

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| BIOE 690 | M.Sc. Thesis Literature Survey. | 3       |
| BIOE 691 | M.Sc. Thesis Research Proposal. | 3       |

|          |                                        |    |
|----------|----------------------------------------|----|
| BIOE 692 | M.Sc. Thesis Research Progress Report. | 6  |
| BIOE 693 | M.Sc. Thesis.                          | 12 |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| BIOE 680 | Bioethical Theory.             | 3       |
| BIOE 681 | Bioethics Practicum.           | 3       |
| CMPL 641 | Theoretical Approaches to Law. | 3       |
| LAWG 601 | Communication 1.               | 1.5     |
| LAWG 602 | Communication 2.               | 1.5     |

## Complementary Courses (9 credits)

6 credits at the 500 level or above of Faculty of Law courses or Bioethics courses.

3 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| CMPL 642 | Law and Health Care.           | 3       |
| PHIL 643 | Seminar: Medical Ethics.       | 3       |
| RELG 571 | Ethics, Medicine and Religion. | 3       |

## Law (Thesis): Comparative Law (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** Master of Laws

**Program credit weight:** 45

### Program Description

\*\* Availability of this program is subject to relevant courses being offered in a given year. \*\*

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: <https://mcgill.ca/law/grad-studies/masters-programs>.

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).

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| CMPL 612 | Master's Thesis 1. | 3       |
| CMPL 613 | Master's Thesis 2. | 3       |
| CMPL 614 | Master's Thesis 3. | 3       |
| CMPL 615 | Master's Thesis 4. | 6       |
| CMPL 616 | Master's Thesis 5. | 12      |
| CMPL 617 | Master's Thesis 6. | 3       |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| CMPL 600 | Legal Traditions.              | 3       |
| CMPL 610 | Legal Research Methodology 1.  | 1.5     |
| CMPL 611 | Legal Research Methodology 2.  | 1.5     |
| CMPL 641 | Theoretical Approaches to Law. | 3       |
| LAWG 601 | Communication 1.               | 1.5     |
| LAWG 602 | Communication 2.               | 1.5     |

## 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 levels.

## Additional Thesis Courses

With the approval of the Associate Dean (Graduate Studies) and Graduate and Postdoctoral Studies (GPS), students may take up to an additional 3 credits of thesis courses by completing one or both of:

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| CMPL 618 | Master's Thesis 7. | 2       |
| CMPL 619 | Master's Thesis 8. | 1       |

## Law (Thesis): Environment (LL.M.) (45 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** Master of Laws

**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The 45-credit LL.M. program, thesis option, in Environment is offered in collaboration with the Bieler School of 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. The program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

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 (27 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).

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| CMPL 612 | Master's Thesis 1. | 3       |
| CMPL 613 | Master's Thesis 2. | 3       |
| CMPL 614 | Master's Thesis 3. | 3       |
| CMPL 615 | Master's Thesis 4. | 6       |
| CMPL 616 | Master's Thesis 5. | 12      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| CMPL 610 | Legal Research Methodology 1. | 1.5     |
| CMPL 611 | Legal Research Methodology 2. | 1.5     |
| CMPL 615 | Master's Thesis 4.            | 6       |
| LAWG 601 | Communication 1.              | 1.5     |
| LAWG 602 | Communication 2.              | 1.5     |

## Complementary Courses (9 credits)

3-6 credits chosen from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits chosen from:

Expand allContract all

| Course   | Title                         | Credits | Course   | Title            | Credits |
|----------|-------------------------------|---------|----------|------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       | LAWG 601 | Communication 1. | 1.5     |
| ENVR 630 | Civilization and Environment. | 3       | LAWG 602 | Communication 2. | 1.5     |
| ENVR 680 | Topics in Environment 4.      | 3       |          |                  |         |

Or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

0-3 credits at the 500 level or higher approved by the Advisory Committee.

## Law: Comparative Law (D.C.L.)

**Offered by:** Law (Faculty of Law)

**Degree:** Doctor of Civil Law

### Program Description

The Doctor of Civil Law (D.C.L.) program allows the development of substantive and original contributions to legal research and knowledge under the supervision of a faculty member.

The degree will be awarded, at the earliest, after the completion of 3 years of residence in the Faculty. 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. The thesis must be submitted within 4 years of completion of the residency requirement. Every candidate must successfully pass a comprehensive examination, after one year which may occur in the first year of the program, but no later than the end of the second year of the program.

### Comprehensive - Required

Every candidate must successfully pass a comprehensive examination, usually after one year in the program.

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| LAWG 701 | Comprehensive Exam - Law. | 0       |

### Required Courses (5 Credits)

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| CMPL 641 | Theoretical Approaches to Law.            | 3       |
| LAWG 702 | Legal Research Methodology for DCL.       | 2       |
| LAWG 703 | Literature Review, Analysis and Proposal. | 0       |
| LAWG 704 | DCL Research Seminar 1.                   | 0       |
| LAWG 705 | DCL Research Seminar 2.                   | 0       |

### Complementary Course (0-3 Credits)

Some students are encouraged to take the following:

Expand allContract all

# Management, Desautels Faculty of

## About Desautels Faculty of Management

Today's business leaders must excel as critical thinkers on a global stage, capable of making insightful, cross-disciplinary decisions. McGill University's Desautels Faculty of Management stands out as one of the most internationally diverse business schools, attracting students and faculty from across the globe and emphasizing a deep understanding of global challenges. This is the McGill Desautels advantage.

Beyond academics, students may have the opportunity to gain practical experience through internships and participate in exchange programs with prestigious business schools in Europe, Asia, the United States, and South America, depending on the program.

McGill University offers a wide range of graduate-level management programs designed to meet the unique needs and aspirations of diverse individuals. Prospective students are encouraged to explore the distinctive features of each program to find the one that aligns best with their goals and strengths.

## M.B.A. Programs

### About the Master of Business Administration (M.B.A.)

The McGill MBA focuses on applied and experiential learning in business management, fostering innovation by addressing evolving industry challenges and promoting creative solutions. Recognizing the importance of sustainability, we have woven these critical issues into our core courses, from accounting to operations, ensuring students gain a well-rounded, responsible business perspective. Through interactive lectures and case studies that form the foundation of our curriculum, we aim to deliver an exceptional learning experience for the next generation of changemakers.

You can choose between the MBA-General 48-credit and the MBA-Internship 54-credit program. The 48-credit option is designed to be completed in 12 months, while the 54-credit option can be completed in 20 months, with an option to accelerate to 16 months. The main difference between the programs lies in the duration of the internship rather than classroom time, allowing flexibility for students to tailor their experience.

With five specializations, our students can personalize the content of their degrees to gain a competitive edge. From Global Strategy and Leadership, Marketing, Entrepreneurship, Finance, and Business Analytics: these specializations can tailor your MBA to align with your career ambitions.

Visit Desautels' McGill MBA site for more information.

## Admission Requirements and Application Procedures

For more information, including **dates and deadlines**, please refer to McGill MBA Full-Time Admissions.

## Joint Executive M.B.A. Admission Requirements and Application Procedures

### About the Joint Executive M.B.A.

#### Executive Master of Business Administration (E.M.B.A.) Joint Executive M.B.A. (Non-Thesis) (45 credits) (p. 355)

The E.M.B.A. (McGill-HEC Montréal Executive MBA) 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 *École des Hautes Études Commerciales* (HEC) – Montreal.

## Admission Requirements and Application Procedures

For more information, including **dates and deadlines**, please consult the following website: [embamcgillhec.ca/en/application/admission-criteria](http://embamcgillhec.ca/en/application/admission-criteria).

## Master of Management Programs

### About the Master of Management Programs Master of Management (M.M.) Analytics (Non-Thesis) (45 credits) (p. 355)

The McGill Master of Management in Analytics (MMA) is a specialized program with a strong emphasis on experiential learning and is available in both in-person and online formats. The MMA curriculum equips future analytics leaders with the technical expertise, applied knowledge, and strategic insight needed to thrive in the rapidly evolving field of business analytics and AI, fostering innovation, automation and data-driven decision-making.

The program offers both 12-month and 16-month in-person, full-time options, with the 16-month format including an internship for students seeking additional professional experience before graduation. The part-time online program is to be completed in 20 months. Students are exposed to a variety of management analytics application topics including marketing, retailing, supply chain, healthcare, security, pricing, talent, and network analytics.

For more information, visit [mcgill.ca/desautels/programs/mma](http://mcgill.ca/desautels/programs/mma).

### Master of Management (M.M.) Finance (Non-Thesis) (45 credits) (p. 356)

The McGill Master of Management in Finance (MMF) is a specialized program with a strong emphasis on experiential learning, designed for ambitious, high-achieving students aiming to build a career in finance. The MMF curriculum equips future finance leaders with advanced financial knowledge, quantitative skills, and practical insights necessary to excel in the dynamic world of finance and investment management.

The program offers both 12-month and 16-month options, with the 16-month format including an applied finance project students seeking additional hands-on experience before graduation. The MMF covers a wide range of topics, including corporate finance, risk management,

asset valuation, financial technology, and investment strategies, ensuring a comprehensive understanding of modern finance.

For more information, visit [mcgill.ca/desautels/programs/mmf](http://mcgill.ca/desautels/programs/mmf).

### **Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits) (p. 357)**

The Master in Global Manufacturing and Supply Chain Management (MGMSCM) program is offered at Zhejiang University# (Hangzhou, China). It follows the same curriculum as the M.M.M. program and is offered on a part-time basis at Zhejiang University (with options for a semester of courses in Montreal including an optional summer project). As part of Master in Global Manufacturing and Supply Chain Management initiative, students having completed the MGMSCM program could then transfer the acquired credits to apply toward Zhejiang's M.B.A. degree. Students having successfully completed all requirements for Zhejiang's MGMSCM program earn two degrees: an M.M. in Manufacturing from McGill and an M.B.A from Zhejiang.

The program is delivered in English. It is targeted towards high-potential managers in manufacturing, services, and logistics industries, as well as entrepreneurs.

For more information, visit our website at [mcgill.ca/desautels/programs/gmscm](http://mcgill.ca/desautels/programs/gmscm).

Find out more about Zhejiang University's MGMSCM program in China.

### **Master of Management (M.M.) IMHL (Non-Thesis) (45 credits) (p. 358)**

The M.M. in International Master's for Health Leadership program is designed for clinicians and managers in the context of health care to help develop management skills for emerging health care leaders. This is a 15-month program made up of five 12-day modules, followed by a Master's paper.

For more information, visit our website at [mcgill.ca/desautels/programs/imhl](http://mcgill.ca/desautels/programs/imhl).

### **Master of Management (M.M.) IMPM (Non-Thesis) (45 credits) (p. 358)**

The International Master's Program for Managers (IMPM) is designed for experienced, high-potential managers seeking to strengthen their leadership capabilities in a truly global setting. Engaging managers beyond administration and functioning within an authentically international context, this collaborative venture of business schools located in five different countries allows mid-career managers to study and focus on their own organizational and leadership issues with other international managers at universities in Brazil, England, India, China, and Canada.

For more information, visit our website at [mcgill.ca/desautels/programs/impm](http://mcgill.ca/desautels/programs/impm).

### **Master of Management (M.M.) Retailing (Non-Thesis) (45 credits) (p. 358)**

The Master of Management in Retailing (MMR) is a specialized, non-thesis program designed to focus on the customer journey and the innovations driving retail transformation. The MMR equips future retail leaders with the knowledge, skills, and strategic insights needed to thrive in the rapidly evolving global retail landscape. The program emphasizes operational efficiency, competitiveness, and customer satisfaction, all aimed at building a foundation for a better society.

The MMR is a 16-month program, but it can be completed in as little as 12 months for students with relevant retail work experience. This flexible timeline allows participants to tailor the program to their individual backgrounds and career goals.

International in scope, the MMR offers a unique blend of disciplines and experiential learning opportunities. Students have access to an optional internship, research projects at the state-of-the-art Retail Innovation Lab, an international trip, and the Retail Innovation Challenge. These hands-on experiences enable students to tackle real-world retail challenges and gain a competitive edge in the industry.

For more information, visit our website at [mcgill.ca/desautels/programs/master-management-retailing-mmrl](http://mcgill.ca/desautels/programs/master-management-retailing-mmrl).

## **Admission Requirements and Application Procedures**

Refer to the following Master's of Management program pages for more information, including **dates and deadlines**:

- Analytics
- Finance
- Global Manufacturing and Supply Chain Management (MGMSCM) China
- International Master's Program for Managers (IMPM)
- International Master's for Health Leadership (IMHL)
- Master of Management in Retailing

## **Joint Ph.D. in Management Admission Requirements and Application Procedures**

### **Doctor of Philosophy (Ph.D.) Management (p. 359)**

The Ph.D. Program participates in the Joint Ph.D. Program that brings together the four Montreal universities: Concordia University, the *École des Hautes Études Commerciales* (affiliated with the *Université de Montréal*), McGill University, and the *Université de Québec à Montréal*. The Ph.D. program in Management is intended to educate competent researchers and to stimulate research on management issues.

The program represents a number of innovations in doctoral work in the field of management. First, by cooperating, the four universities are able to make available to the program's students a diverse pool of approximately 520 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).

The program places considerable emphasis on the theoretical foundations of management and its underlying disciplines. Graduates of the program are expected to have:

- some knowledge of all the main areas of management;
- a thorough knowledge of one applied area of management, and one support discipline;



- a complete command of the research methodologies used in management; and
- some familiarity with modern theories and methods of the pedagogy of management.

The program consists of three phases: preparation, specialization, and dissertation.

### Preparation – Phase I

Before entering the program, the student will have selected the area of specialization from the following areas/options:

- Accounting
- Finance
- Information Systems
- Marketing
- Operations Management
- Organizational Behaviour
- Retail Management
- Strategy and Organization

The required courses in Phase I include the graduate level courses as determined at the time of registration and a statistics course.

### Specialization – Phase II

In Phase II, students probe deeply into their chosen area of specialization. With their Phase II Advisory Committee, students work out an individual program of study, which takes about 18–24 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 management. 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 Phase II Advisory Committee has been established and, together with the student, they formally agree on a proposal for the work to be done in Phase II. The Phase II Form (Advisory Committee) must be approved by the McGill and the Joint Doctoral Committees. This phase 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 Phase II Advisory Committee; minimum two courses in support field
- Seminar on Research Methodology (MGMT 707 Research Methodology, 3 credits) or equivalent approved graduate-level course
- Teaching and Learning in Higher Education (EDPH 689 Teaching and Learning in Higher Education, 3 credits) or equivalent approved graduate-level course
- Comprehensive Examination (MGMT 701 Comprehensive Examination, 0 credits)

- A publishable research paper (MGMT 720 Research Paper, 3 credits)

The Phase II Advisory Committee will normally consist of at least three members; a supervisor and others decided upon jointly by the supervisor and the student. One of these members will typically come from the support field. Every student's Phase II Advisory Committee must have representation from at least two universities in the joint program.

### Dissertation – Phase III

In the third phase of the program, students research, write, and defend a dissertation that probes deeply into a well-defined research topic. The topic is developed with the Phase III Advisory 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 Phase III Advisory Committee and, once the research is completed and the dissertation written, the student publicly defends the completed thesis. The Phase III Form (Phase III Advisory Committee) must be approved by the McGill and the Joint Doctoral Committees.

## Admission Requirements

Candidates normally hold a master's-level degree, with a strong academic record from a recognized university.

GMAT (or GRE–General Test) results are optional but highly recommended.

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. 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 is required for the TOEFL, with each component score not less than 20. A minimum score of 7 is required for IELTS. Tests must have been written within the past two years.

Files will not be considered unless the required test scores are received by the application deadline.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See Application Procedures (p. 53) for more information.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- GMAT (or GRE-General Test) written within the past 5 years – optional
- Responses to personal statement questions
- Curriculum vitae

For more information, including **dates and deadlines**, consult the Desautels Faculty of Management's website.

## Graduate Certificate in Healthcare Management

### Admission Requirements and Applications Procedures

#### About the Graduate Certificate in Healthcare Management

The Graduate Certificate in Healthcare Management (GCHM) is a joint initiative between the Faculty of Medicine and Health Sciences (p. 361) and the Desautels Faculty of Management (p. 344). The program focuses on a range of managerial skills to positively impact the quality, efficiency, and fiscal responsibility of health care delivery. This includes: leading transformation, financial management and analysis, leading and managing people, conflict resolutions and negotiations, process analysis in health care settings, managing and improving quality in health care systems, and health management.

The program will be supported through readings, individual and group assignments, and workshops. Each student will also participate in an experiential (CAPSTONE) project throughout the certificate program, which serves to reinforce the material presented in each course, under the guidance of a unique mentor. The topic of the project could take the form of a business plan, quality improvement project, or position paper on a topic related to the learning in the program.

The GCHM is an 8-month, 15-credit graduate program which takes place entirely online over four modules. These 15 graduate credits can be brought forward for Advanced Standing in the International Masters for Health Leadership program at McGill.

### Admission Requirements and Applications Procedures

The Graduate Certificate in Healthcare Management is a program for the healthcare professionals with some work experience in the healthcare sector, interested in acquiring a set of managerial skills.

For more information about admission requirements and application procedures, please refer to [mcgill.ca/desautels/programs/gchm/admissions](http://mcgill.ca/desautels/programs/gchm/admissions).

### Required Courses

There are a total of 15 credits required for this program.

Expand allContract all

| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| MGCR 629   | Healthcare Leadership.                     | 1       |
| ACCT 645   | Financial Management in Healthcare.        | 2       |
| MGSC 641D1 | Operations Management in Health Services.  | 1       |
| MGSC 641D2 | Operations Management in Health Services . | 1       |
| ORGB 644D1 | Managerial Negotiations in Healthcare.     | 1       |
| ORGB 644D2 | Managerial Negotiations in Healthcare.     | 1       |
| MGSC 642   | Quality Management in Healthcare.          | 2       |
| ORGB 643   | Leading and Managing People in Healthcare. | 2       |

|            |                                  |   |
|------------|----------------------------------|---|
| BUSA 647D1 | Healthcare Management Practicum. | 2 |
| BUSA 647D2 | Healthcare Management Practicum. | 2 |

## Graduate Certificate in Professional Accounting (GCPA)

### Admission Requirements and Application Procedures

#### About the Graduate Certificate in Professional Accounting (GCPA)

#### Graduate Certificate (Gr. Cert.) Professional Accounting (24 credits) (p. 360)

The McGill GCPA program at Desautels is an accredited Professional Education Program (PEP) of CPA Quebec. The program is designed to provide students with professional training on the latest CPA concepts and practice-related issues while preparing them to write the national Common Final Examination (CFE). Completion of a PEP and passing the CFE are two of the required components for obtaining the highly respected CPA designation. Combining McGill's international reputation and top professors, McGill's GCPA program ensures that graduates can make professional judgment using financial information in a global business environment.

The GCPA program is intended to allow students to develop professional skills that will be recognized nationally and internationally. The program focuses on the acquisition and integration of in-depth specialized knowledge in fields in which engagements are likely to be entrusted to CPAs. More specifically, the objective of the Graduate Certificate is to develop the technical and enabling skills outlined by CPA Canada and needed for the exercise of professional judgment necessary to solve practical problems related to the practice of professional accounting. Our lecturers are hard-working, dedicated, and motivated to ensure our students succeed in the program.

The GCPA program, coupled with a 24-month recognized training period, provides students with the academic and professional business training, communication, and interpersonal skills needed to succeed in a CPA career.

### Admission Requirements

Entry to the GCPA program requires a minimum cumulative grade point average (CGPA) of 3.0 on a 4.0 scale. Admission to the program is highly competitive and meeting the minimum requirements does not secure entry into the GCPA program.

#### Option 1

Applicants who complete a Canadian Bachelor of Commerce program must complete the following courses, or their equivalents, with minimum grades of B-:

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ACCT 351 | Intermediate Financial Accounting 1. | 3       |
| ACCT 352 | Intermediate Financial Accounting 2. | 3       |
| ACCT 361 | Management Accounting.               | 3       |
| ACCT 362 | Cost Accounting.                     | 3       |
| ACCT 385 | Principles of Taxation.              | 3       |
| ACCT 453 | Advanced Financial Accounting.       | 3       |

|          |                         |   |
|----------|-------------------------|---|
| ACCT 463 | Management Control.     | 3 |
| ACCT 475 | Principles of Auditing. | 3 |
| ACCT 486 | Business Taxation 2.    | 3 |
| BUSA 364 | Business Law 1.         | 3 |
| FINE 342 | Corporate Finance.      | 3 |

Applicants must also meet the requirements outlined by L'Ordre des comptables professionnels agréés du Québec (OCPAQ) for the university where they obtained their undergraduate degree. Applicants who obtained their undergraduate degree in a different province must also verify the requirements outlined by the CPA Order of that province.

## Option 2

Graduates of programs other than a Canadian Bachelor of Commerce, or graduates with foreign degrees must complete the Graduate Certificate in Accounting at the School of Continuing Studies and complete additional courses as necessary to satisfy the following 14 prerequisite courses, with minimum grades of B-:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CCAU 611 | Auditing 1.                       | 3       |
| CCFC 611 | Financial Accounting 1.           | 3       |
| CCFC 612 | Financial Accounting 2.           | 3       |
| CCFC 613 | Financial Accounting 3.           | 3       |
| CCMA 611 | Managerial Accounting 1.          | 3       |
| CCMA 622 | Managerial Accounting 2.          | 3       |
| CCMA 523 | Managerial Accounting 3.          | 3       |
| CCTX 611 | Taxation 1.                       | 3       |
| CCTX 632 | Taxation 2.                       | 3       |
| CCLW 611 | Business Law Concepts.            | 3       |
| CMIS 641 | Information Systems for Managers. | 3       |
| CPL2 652 | Strategic Management.             | 3       |
| CCFA 635 | Contemporary Finance 2.           | 3       |

For more information, you may contact the School of Continuing Studies directly:

688 Sherbrooke St. W., 11th floor  
 Telephone: 514-398-6200  
 Email: [info.conted@mcgill.ca](mailto:info.conted@mcgill.ca)  
 Website: [mcgill.ca/continuingstudies](http://mcgill.ca/continuingstudies)

## Application Procedures

Online applications for the GCPA program can be submitted through McGill's online application system. For details please consult Application steps.

Refer to Application Procedures (p. 53) and the GCPA program website for more information.

A deferral of admission may be considered in exceptional cases upon evidence of extenuating circumstances for one year only. A request may be submitted by the student through McGill's Application Management System and evaluated by the GCPA Office.

## Time Limits

The program must be completed within three years of admission.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Applicants who have been accepted to the GCPA program are required to make a CAD\$300 deposit via McGill's Application Management System when confirming the offer of admission. This fee is non-refundable and will be applied towards the student's tuition.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Desautels Faculty of Management and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

## Obtaining a CPA designation

To obtain the CPA designation in Quebec, a student must have:

1. Completed a Professional Education Program (PEP)
2. Passed the Common Final Examination (CFE)
3. Completed a 24-month period of practical experience with an accredited training office (it is the student's responsibility to obtain such employment)
4. Proof of knowledge of the French language or passed the OQLF French language examination

Once all these criteria have been met, the student will obtain the designation of Chartered Professional Accountant from the OCPAQ.

Further information can be obtained from:

*Ordre des comptables professionnels agréés du Québec*  
 5 Place Ville Marie, bureau 800  
 Montréal, QC H3B 2G2  
 Telephone: 514-288-3256 or 1-800-363-4688 (toll free)  
 Email: [info@cpa Quebec.ca](mailto:info@cpa Quebec.ca)  
 Web: [cpa Quebec.ca](http://cpa Quebec.ca)

## Graduate Programs in Management

### Master of Business Administration (M.B.A.)

- Management (Non-Thesis) (M.B.A.) (54 credits)
- Management (Non-Thesis): General Management (M.B.A.) (48 credits)
- Management (Non-Thesis): General Management & Law (Joint M.B.A. & B.C.L./J.D.) (132 credits)

### Master of Business Administration (M.B.A.)/Japan

\*\*M.B.A. Japan program is no longer accepting new students.\*\*

- Japan (Non-Thesis) (M.B.A.) (51 credits)
- Japan Management (Non-Thesis): Finance (M.B.A.) (57 credits)
- Japan Management (Non-Thesis): General Management (M.B.A.) (48 credits)
- Japan Management (Non-Thesis): Global Strategy and Leadership (M.B.A.) (57 credits)
- Japan Management (Non-Thesis): Marketing (M.B.A.) (57 credits)
- Japan Management (Non-Thesis): Technology and Innovation Management (M.B.A.) (57 credits)

## Executive Master of Business Administration (E.M.B.A.)

- Joint Executive M.B.A. (Non-Thesis) (E.M.B.A.) (45 credits)

## Master of Management (M.M.)

- Analytics (Non-Thesis) (M.M.) (45 credits)
- Finance (Non-Thesis) (M.M.) (45 credits)
- Manufacturing Management (Non-Thesis) (M.M.) (56 credits)
- IMHL (Non-Thesis) (M.M.) (45 credits)
- IMPM (Non-Thesis) (M.M.) (45 credits)
- Retailing (Non-Thesis) (M.M.) (45 credits)

## Ph.D.

- Management (Ph.D.)

## Graduate Certificates

- Healthcare Management (Gr. Cert.) (15 credits)
- Post MBA (Gr. Cert.) (15 credits) \*\*This program is no longer accepting new students.\*\*
- Post MBA Japan (Gr. Cert.) (15 credits) \*\*This program is no longer accepting new students.\*\*
- Professional Accounting (Gr. Cert.) (30 credits)

## Location

Desautels Faculty of Management  
Samuel Bronfman Building  
1001 Sherbrooke St. W.  
Montréal, QC H3A 1G5

Telephone: 514-398-4066  
Website: mcgill.ca/desautels

## Masters Programs Office

Desautels Faculty of Management  
Donald E. Armstrong Building  
McGill University  
3420 McTavish St.  
Montréal, QC H3A 3L1

Telephone: 514-398-4066  
Website: mcgill.ca/desautels/programs

## Ph.D. Program Office

Desautels Faculty of Management  
Samuel Bronfman Building  
McGill University  
1001 Sherbrooke St. W.

Montréal, QC H3A 1G5

Telephone: 514-398-4060  
Email: phd.mgmt@mcgill.ca  
Website: mcgill.ca/desautels/programs/phd

## Management (Non-Thesis) (M.B.A.) (54 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 54

## Program Description

The MBA; Non-Thesis focuses on both hard and soft key management disciplines and skills in its required courses. Integration of the material in the required courses is accomplished with integration sessions midway through the first semester and at its end. The program is structured in such a way so as to allow for completion of the program in 16-20 months. There is maximum flexibility in the selection of electives taken, ranging from a customized set of electives reflecting the student's own interests, to completing a specialization, i.e., taking a set of at least five electives chosen from lists of specializations (e.g. finance, strategy) compiled by the Program office based on input from Faculty Areas. Students can choose between doing an Internship, completing a Practicum or applying to do an exchange semester at a foreign university.

## Required Courses (27 credits)

Expand all Contract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| BUSA 650 | Internship. <sup>1</sup>            | 6       |
| BUSA 651 | Practicum. <sup>1</sup>             | 6       |
| BUSA 695 | Real-Time Decisions.                | 1.5     |
| MGCR 613 | Managerial Economics.               | 1.5     |
| MGCR 614 | Management Statistics.              | 1.5     |
| MGCR 617 | Operations Management.              | 1.5     |
| MGCR 618 | Leadership and Professional Skills. | 1.5     |
| MGCR 620 | Information Systems.                | 1.5     |
| MGCR 622 | Organizational Strategy.            | 1.5     |
| MGCR 638 | Marketing Management.               | 1.5     |
| MGCR 639 | Managing Organizational Behaviour.  | 1.5     |
| MGCR 640 | Accounting and Financial Reporting. | 1.5     |
| MGCR 642 | Financial Reporting.                | 1.5     |
| MGCR 660 | International Study Trip.           | 4.5     |

<sup>1</sup> Choose EITHER BUSA 650 Internship. or BUSA 651 Practicum..

Students who participate in an International Exchange (12 credits of elective courses) are exempt from BUSA 650 Internship./BUSA 651 Practicum.; 6 additional credits of elective courses are required to complete the 54-credit requirement.



## Elective Courses (27 credits)

27 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program advisor in the Faculty.

## Management (Non-Thesis): General Management (M.B.A.) (48 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 48

## Program Description

The M.B.A.; Non-Thesis - General Management program focuses on hard and soft management disciplines and skills. There is maximum flexibility in the program based on input from Faculty areas. This streamlined 12-month program does not allow a student to do an internship.

## Required Courses (21 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| BUSA 695 | Real-Time Decisions.                | 1.5     |
| MGCR 613 | Managerial Economics.               | 1.5     |
| MGCR 614 | Management Statistics.              | 1.5     |
| MGCR 617 | Operations Management.              | 1.5     |
| MGCR 618 | Leadership and Professional Skills. | 1.5     |
| MGCR 620 | Information Systems.                | 1.5     |
| MGCR 622 | Organizational Strategy.            | 1.5     |
| MGCR 638 | Marketing Management.               | 1.5     |
| MGCR 639 | Managing Organizational Behaviour.  | 1.5     |
| MGCR 640 | Accounting and Financial Reporting. | 1.5     |
| MGCR 642 | Financial Reporting.                | 1.5     |
| MGCR 660 | International Study Trip.           | 4.5     |

## Elective Courses (27 credits)

27 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program adviser in the Faculty.

## Management (Non-Thesis): General Management & Law (Joint M.B.A. & B.C.L./J.D.) (132 credits)

**Offered by:** Law (Faculty of Law)

**Degree:** BCLJD

**Program credit weight:** 132

## Program Description

A joint M.B.A.; Non-Thesis – General Management and B.C.L./J.D. 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 J.D. degrees, a trio that prepares them for careers in private and public enterprise, as well as government service.

Students complete 39 credits for the M.B.A. and 93 credits for the integrated B.C.L./J.D., for a total of 132 credits.

## Required Courses - Management (24 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| BUSA 695 | Real-Time Decisions.                | 1.5     |
| MGCR 613 | Managerial Economics.               | 1.5     |
| MGCR 614 | Management Statistics.              | 1.5     |
| MGCR 617 | Operations Management.              | 1.5     |
| MGCR 618 | Leadership and Professional Skills. | 1.5     |
| MGCR 620 | Information Systems.                | 1.5     |
| MGCR 621 | International Environment.          | 1.5     |
| MGCR 622 | Organizational Strategy.            | 1.5     |
| MGCR 628 | Integrative Course.                 | 1.5     |
| MGCR 638 | Marketing Management.               | 1.5     |
| MGCR 639 | Managing Organizational Behaviour.  | 1.5     |
| MGCR 640 | Accounting and Financial Reporting. | 1.5     |
| MGCR 642 | Financial Reporting.                | 1.5     |
| MGCR 660 | International Study Trip.           | 4.5     |

## Elective Courses (15 credits)

15 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program adviser in the Faculty. Students will have to attend the M.B.A. Base Camp (Accounting and Business Math) prior to commencing the M.B.A.

## Required Courses - Law (47 credits)

### First Year – 33 credits

Expand allContract all

| Course     | Title                                | Credits |
|------------|--------------------------------------|---------|
| LAWG 100D1 | Contractual Obligations.             | 3       |
| LAWG 100D2 | Contractual Obligations.             | 3       |
| LAWG 101D1 | Extra-Contractual Obligations/Torts. | 3       |
| LAWG 101D2 | Extra-Contractual Obligations/Torts. | 3       |
| LAWG 102D1 | Criminal Justice.                    | 3       |
| LAWG 102D2 | Criminal Justice.                    | 3       |
| LAWG 103   | Indigenous Legal Traditions.         | 3       |
| LAWG 110D1 | Integration Workshop.                | 1.5     |



|            |                       |     |
|------------|-----------------------|-----|
| LAWG 110D2 | Integration Workshop. | 1.5 |
| PUB2 101D1 | Constitutional Law.   | 3   |
| PUB2 101D2 | Constitutional Law.   | 3   |
| PUB3 116   | Foundations.          | 3   |

## Second Year – 14 credits

Expand allContract all

| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| LAWG 210   | Legal Ethics and Professionalism.          | 3       |
| LAWG 220D1 | Property.                                  | 3       |
| LAWG 220D2 | Property.                                  | 3       |
| PRAC 200   | Advocacy.                                  | 1       |
| PROC 124   | Judicial Institutions and Civil Procedure. | 4       |

## Complementary Courses – Law (12 credits)

### Civil Law Immersion Courses (3 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| BUS2 561 | Insurance.                                     | 3       |
| LAWG 506 | Advanced Civil Law Property.                   | 3       |
| PROC 200 | Advanced Civil Law Obligations.                | 3       |
| PRV1 549 | Contrats nommés/Nominate Contracts.            | 3       |
| PRV2 270 | Law of Persons.                                | 3       |
| PRV4 548 | Administration Property of Another and Trusts. | 3       |

### Common Law Immersion Courses (3 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| PRV3 200 | Advanced Common Law Obligations. | 3       |
| PRV3 534 | Remedies.                        | 3       |
| PRV4 500 | Restitution.                     | 3       |
| PRV4 549 | Equity and Trusts.               | 3       |
| PRV5 582 | Advanced Torts.                  | 3       |

## Social Diversity, Human Rights and Indigenous Law Courses (3 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| CMPL 500 | Indigenous Peoples and the State.  | 3       |
| CMPL 504 | Feminist Legal Theory.             | 3       |
| CMPL 511 | Social Diversity and Law.          | 3       |
| CMPL 516 | International Development Law.     | 3       |
| CMPL 565 | International Humanitarian Law.    | 3       |
| CMPL 571 | International Law of Human Rights. | 3       |
| CMPL 573 | Civil Liberties.                   | 3       |
| CMPL 575 | Discrimination and the Law.        | 3       |
| IDFC 500 | Indigenous Field Studies.          | 3       |

|            |                                         |   |
|------------|-----------------------------------------|---|
| LAWG 503   | Inter-American Human Rights.            | 3 |
| LAWG 505   | Critical Engagements with Human Rights. | 3 |
| LAWG 507   | Critical Race Theory Advanced Seminar.  | 3 |
| LAWG 508D1 | Indigenous Constitutionalism.           | 3 |
| LAWG 508D2 | Indigenous Constitutionalism.           | 3 |
| LAWG 509   | Indigenous Law Revitalization.          | 3 |
| LAWG 562   | Regulating Artificial Intelligence.     | 3 |
| LAWG 580   | Women and Constitutions.                | 3 |
| LAWG 582   | Disability Law and Policy.              | 3 |
| LEEL 369   | Labour Law.                             | 3 |
| LEEL 582   | Law and Poverty.                        | 3 |
| PUB2 105   | Public International Law.               | 3 |
| PUB2 500   | Law and Psychiatry.                     | 3 |
| PUB2 502   | International Criminal Law.             | 3 |
| PUB2 507   | Prison Law and Policy                   | 3 |
| PUB2 551   | Immigration and Refugee Law.            | 3 |

## Principles of Canadian Administrative Law (3 credits)

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| BUS1 532 | Bankruptcy and Insolvency.                | 3       |
| BUS2 504 | Securities Regulation.                    | 3       |
| BUS2 506 | Corporate Governance                      | 3       |
| CMPL 518 | Public Policy, Politics and Law           | 3       |
| CMPL 539 | International Taxation.                   | 3       |
| CMPL 543 | Law and Practice of International Trade.  | 3       |
| CMPL 574 | Government Control of Business.           | 3       |
| CMPL 575 | Discrimination and the Law.               | 3       |
| CMPL 577 | Communications Law.                       | 3       |
| CMPL 580 | Environment and the Law.                  | 3       |
| LAWG 523 | Tax Practice Seminar.                     | 3       |
| LAWG 561 | Privacy Law.                              | 3       |
| LAWG 581 | Health Care Delivery and the Law.         | 3       |
| LAWG 583 | Public Health Law and Policy.             | 3       |
| LEEL 369 | Labour Law.                               | 3       |
| LEEL 570 | Employment Law.                           | 3       |
| LEEL 582 | Law and Poverty.                          | 3       |
| PRV4 545 | Land Use Planning.                        | 3       |
| PRV5 483 | Consumer Law.                             | 3       |
| PUB2 400 | The Administrative Process.               | 3       |
| PUB2 401 | Judicial Review of Administrative Action. | 3       |
| PUB2 500 | Law and Psychiatry.                       | 3       |
| PUB2 507 | Prison Law and Policy                     | 3       |
| PUB2 515 | Tax Policy.                               | 3       |
| PUB2 551 | Immigration and Refugee Law.              | 3       |

## Elective Courses (34 credits)

Students must take 34 other elective courses, offered within the Faculty or approved as credit equivalencies in order to complete the 93-credit degree

## Minimum Writing Requirement

All students are required to submit at least one research paper. This requirement may be satisfied by:

1. writing an essay in a course in which the essay constitutes no less than 75% of the final grade;
2. writing a term essay under independent supervision, for credit, within the Faculty of Law;
3. writing an article, note, or comment or equivalent substance that is published or accepted for publication in the McGill Law Journal and approved by the Faculty Adviser to that publication.

Papers written jointly do not satisfy this requirement.

## Japan (Non-Thesis) (M.B.A.) (51 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 51

## Program Description

**\*\*This program is no longer accepting new students.\*\***

## Japan Management (Non-Thesis): Finance (M.B.A.) (57 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 57

## Program Description

**\*\*This program is no longer accepting new students.\*\***

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

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 (21 credits)

All M.B.A. students must complete the following core courses:

| Expand all | Contract all                    |  |  |         |
|------------|---------------------------------|--|--|---------|
| Course     | Title                           |  |  | Credits |
| MGCR 629   | Healthcare Leadership.          |  |  | 1       |
| MGCR 650   | Business Tools.                 |  |  | 2       |
| MGCR 651   | Managing Resources.             |  |  | 4       |
| MGCR 652   | Value Creation.                 |  |  | 4       |
| MGCR 653   | Markets and Globalization.      |  |  | 4       |
| MGCR 661   | International Study Experience. |  |  | 6       |

## Required Concentration Courses (6 credits)

Students choosing the Finance concentration must complete these required courses:

| Expand all | Contract all                          |  |  |         |
|------------|---------------------------------------|--|--|---------|
| Course     | Title                                 |  |  | Credits |
| FINE 622   | Modern Corporate Finance.             |  |  | 3       |
| FINE 646   | Investments and Portfolio Management. |  |  | 3       |

## Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

| Expand all | Contract all                                 |  |  |         |
|------------|----------------------------------------------|--|--|---------|
| Course     | Title                                        |  |  | Credits |
| ACCT 618   | Financial Reporting: Structure and Analysis. |  |  | 3       |
| FINE 620   | Corporate Mergers.                           |  |  | 3       |
| FINE 639   | Derivatives and Risk Management.             |  |  | 3       |
| FINE 648   | Applied Corporate Finance.                   |  |  | 3       |
| FINE 690   | Advanced Topics in Finance 1.                |  |  | 3       |
| FINE 693   | Global Capital Markets.                      |  |  | 3       |

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

| Expand all | Contract all |  |  |         |
|------------|--------------|--|--|---------|
| Course     | Title        |  |  | Credits |
| BUSA 650   | Internship.  |  |  | 6       |
| BUSA 651   | Practicum.   |  |  | 6       |

## Japan Management (Non-Thesis): General Management (M.B.A.) (48 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 48

## Program Description

**\*\*This program is no longer accepting new students.\*\***

The M.B.A. (Japan); Non-Thesis - General Management focuses on both hard and soft key management disciplines and skills with its integrative approach. The academic content of the M.B.A. (Japan) program is the same as the Montreal M.B.A.; however, the delivery of the content is modified to allow students to complete a Master of Business Administration degree on weekends in Japan.

## Required Core Courses (24 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| BUSA 695 | Real-Time Decisions.                | 1.5     |
| MGCR 613 | Managerial Economics.               | 1.5     |
| MGCR 614 | Management Statistics.              | 1.5     |
| MGCR 617 | Operations Management.              | 1.5     |
| MGCR 618 | Leadership and Professional Skills. | 1.5     |
| MGCR 620 | Information Systems.                | 1.5     |
| MGCR 621 | International Environment.          | 1.5     |
| MGCR 622 | Organizational Strategy.            | 1.5     |
| MGCR 628 | Integrative Course.                 | 1.5     |
| MGCR 638 | Marketing Management.               | 1.5     |
| MGCR 639 | Managing Organizational Behaviour.  | 1.5     |
| MGCR 640 | Accounting and Financial Reporting. | 1.5     |
| MGCR 642 | Financial Reporting.                | 1.5     |
| MGCR 660 | International Study Trip.           | 4.5     |

## Elective Courses (24 credits)

24 credits of courses are chosen from 600-level courses offered by the Faculty. Course choice must be approved by a program adviser in the Faculty.

## Japan Management (Non-Thesis): Global Strategy and Leadership (M.B.A.) (57 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 57

## Program Description

**\*\*This program is no longer accepting new students.\*\***

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan

program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

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 behavior, 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 (21 credits)

All M.B.A. students must complete the following core courses:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| MGCR 629 | Healthcare Leadership.          | 1       |
| MGCR 650 | Business Tools.                 | 2       |
| MGCR 651 | Managing Resources.             | 4       |
| MGCR 652 | Value Creation.                 | 4       |
| MGCR 653 | Markets and Globalization.      | 4       |
| MGCR 661 | International Study Experience. | 6       |

## Required Concentration Courses (6 credits)

Students choosing the Global Strategy and Leadership concentration must complete these required courses:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MGPO 683 | International Business Policy. | 3       |
| ORGB 685 | Cross Cultural Management.     | 3       |

## Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| BUSA 660 | CEO Insights.                           | 3       |
| BUSA 690 | Advanced Topics in Management 1.        | 3       |
| MGPO 615 | Consulting for Change.                  | 3       |
| MGPO 630 | Managing Strategy and Innovation.       | 3       |
| MGPO 640 | Strategies for Sustainable Development. | 3       |
| MGPO 645 | Strategy in Context.                    | 3       |

|          |                                             |   |
|----------|---------------------------------------------|---|
| MGPO 651 | Strategic Management: Developing Countries. | 3 |
| MGPO 669 | Managing Globalization.                     | 3 |
| ORGB 633 | Managerial Negotiations.                    | 3 |
| ORGB 640 | The Art of Leadership.                      | 3 |

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

| Course   | Title       | Credits |
|----------|-------------|---------|
| BUSA 650 | Internship. | 6       |
| BUSA 651 | Practicum.  | 6       |

## Japan Management (Non-Thesis): Marketing (M.B.A.) (57 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 57

### Program Description

**\*\*This program is no longer accepting new students.\*\***

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

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 (21 credits)

All M.B.A. students must complete the following core courses:

| Course   | Title                  | Credits |
|----------|------------------------|---------|
| MGCR 629 | Healthcare Leadership. | 1       |
| MGCR 650 | Business Tools.        | 2       |
| MGCR 651 | Managing Resources.    | 4       |
| MGCR 652 | Value Creation.        | 4       |

|          |                                 |   |
|----------|---------------------------------|---|
| MGCR 653 | Markets and Globalization.      | 4 |
| MGCR 661 | International Study Experience. | 6 |

### Required Concentration Courses (6 credits)

Students choosing the Marketing concentration must complete these required courses:

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| MRKT 657 | Customer Insights.      | 3       |
| MRKT 658 | Marketing Intelligence. | 3       |

### Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| MRKT 645 | Winning at Brands.              | 3       |
| MRKT 652 | Competitive Marketing Strategy. | 3       |
| MRKT 655 | Marketing Planning.             | 3       |
| MRKT 690 | Advanced Topics in Marketing 1. | 3       |

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

| Course   | Title       | Credits |
|----------|-------------|---------|
| BUSA 650 | Internship. | 6       |
| BUSA 651 | Practicum.  | 6       |

## Japan Management (Non-Thesis): Technology and Innovation Management (M.B.A.) (57 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 57

### Program Description

**\*\*This program is no longer accepting new students.\*\***

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two

weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

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 (21 credits)

All M.B.A. students must complete the following core courses:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| MGCR 629 | Healthcare Leadership.          | 1       |
| MGCR 650 | Business Tools.                 | 2       |
| MGCR 651 | Managing Resources.             | 4       |
| MGCR 652 | Value Creation.                 | 4       |
| MGCR 653 | Markets and Globalization.      | 4       |
| MGCR 661 | International Study Experience. | 6       |

## Required Concentration Courses (6 credits)

Students choosing the Technology and Innovation Management concentration must complete these required courses:

Expand allContract all

| Course   | Title                  | Credits |
|----------|------------------------|---------|
| INSY 606 | Technology Management. | 3       |
| MGSC 616 | Technology in Action.  | 3       |

## Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| INSY 608 | Winning with IT.                    | 3       |
| INSY 609 | Technology Project Management.      | 3       |
| MGSC 602 | Strategic Management of Operations. | 3       |
| MGSC 603 | Logistics Management.               | 3       |

|          |                                  |   |
|----------|----------------------------------|---|
| MGSC 605 | Total Quality Management.        | 3 |
| MGSC 615 | Procurement and Distribution.    | 3 |
| MGSC 631 | Analysis: Production Operations. | 3 |
| ORGB 625 | Managing Organizational Change.  | 3 |

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

Expand allContract all

| Course   | Title       | Credits |
|----------|-------------|---------|
| BUSA 650 | Internship. | 6       |
| BUSA 651 | Practicum.  | 6       |

## Joint Executive M.B.A. (Non-Thesis) (E.M.B.A.) (45 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Business Admin

**Program credit weight:** 45

## Required Courses (45 credits)

McGill University courses (33 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| BUSA 642 | Reflective Dimension Manager Role.  | 4       |
| BUSA 643 | Collaborative Dimension Manager.    | 4       |
| BUSA 644 | Analytic Dimension of Manager Role. | 4       |
| BUSA 645 | Worldly Dimension of Manager Role.  | 4       |
| BUSA 685 | Managing Change.                    | 5       |
| BUSA 689 | Integrative Project.                | 12      |

HEC Montréal courses (12 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| MHEC 600 | Création de valeur.             | 4       |
| MHEC 601 | Excellence opérationnelle.      | 4       |
| MHEC 602 | Outils et pratiques de gestion. | 4       |

## Analytics (Non-Thesis) (M.M.) (45 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Management

**Program credit weight:** 45

## Program Description

The core module is designed to teach the fundamentals of data and decision analytics, team management, and leadership. The complementary course module is designed to expose students



to a variety of management analytics application topics including marketing, retailing, supply chain, healthcare, security, pricing, talent and network analytics. Finally, the experiential module, which consists of a capstone management analytics project plus a community project or internship, is designed to provide students with the experience of hands-on application of the concepts taught in real-world settings and the opportunity to interact with practitioners in leading analytics organizations.

Required Courses (27 credits)

Note: Students take either BUSA 693D1 Analytics and Solution Consulting Practicum. and BUSA 693D2 Analytics and Solution Consulting Practicum. or BUSA 693N1 Analytics and Solution Consulting Practicum. and BUSA 693N2 Analytics and Solution Consulting Practicum..

| Expand allContract all |                                                         |         |
|------------------------|---------------------------------------------------------|---------|
| Course                 | Title                                                   | Credits |
| BUSA 693D1             | Analytics and Solution Consulting Practicum.            | 3       |
| BUSA 693D2             | Analytics and Solution Consulting Practicum.            | 3       |
| BUSA 693N1             | Analytics and Solution Consulting Practicum.            | 3       |
| BUSA 693N2             | Analytics and Solution Consulting Practicum.            | 3       |
| INSY 660               | Coding Foundations for Analytics.                       | 3       |
| INSY 661               | Database and Distributed Systems for Analytics.         | 3       |
| INSY 662               | Data Mining and Visualization.                          | 3       |
| MGSC 660               | Mathematical and Statistical Foundations for Analytics. | 3       |
| MGSC 661               | Multivariate Statistical Analysis.                      | 3       |
| MGSC 662               | Decision Analytics.                                     | 3       |
| ORGB 660               | Managing Data Analytics Teams.                          | 1.5     |
| ORGB 661               | Ethical Leadership and Leading Change.                  | 1.5     |

Complementary Courses (18 credits)

3 credits from the following:

| Expand allContract all |                              |         |
|------------------------|------------------------------|---------|
| Course                 | Title                        | Credits |
| BUSA 600               | Analytics Internship.        | 3       |
| BUSA 649               | Community Analytics Project. | 3       |

15 credits from the following:

| Expand allContract all |                                             |         |
|------------------------|---------------------------------------------|---------|
| Course                 | Title                                       | Credits |
| ACCT 626               | Data Analytics in Accounting.               | 1.5     |
| ACCT 696               | Advanced Topics in Accounting Analytics.    | 1.5     |
| BUSA 611               | Independent Studies in Analytics 1.         | 1.5     |
| BUSA 613               | Independent Studies in Analytics 2.         | 3       |
| BUSA 684               | Analytics Study Trip.                       | 3       |
| FINE 675               | Financial Valuation Analytics for Startups. | 1.5     |
| FINE 695               | Advanced Topics in Finance Analytics 1.     | 1.5     |
| FINE 696               | Advanced Topics in Finance Analytics 2.     | 1.5     |

|          |                                                            |     |
|----------|------------------------------------------------------------|-----|
| INSY 669 | Text Analytics.                                            | 1.5 |
| INSY 670 | Social Media Analytics.                                    | 1.5 |
| INSY 671 | Analytics and Open Innovation.                             | 1.5 |
| INSY 672 | Healthcare Analytics.                                      | 1.5 |
| INSY 673 | Security Analytics.                                        | 1.5 |
| INSY 674 | Enterprise Data Science: Concepts and Algorithms           | 1.5 |
| INSY 684 | Enterprise Machine Learning in Production                  | 1.5 |
| INSY 695 | Advanced Topics in Information Systems 1                   | 1.5 |
| MGPO 695 | Advanced Topics in Strategy Analytics.                     | 1.5 |
| MGSC 670 | Revenue Management.                                        | 1.5 |
| MGSC 672 | Operations and Supply Chain Analytics.                     | 1.5 |
| MGSC 673 | Introduction to Artificial Intelligence and Deep Learning. | 1.5 |
| MGSC 674 | Optimization for Data Science.                             | 1.5 |
| MGSC 684 | Data Driven Decisions and Modelling for Operations         | 1.5 |
| MGSC 695 | Advanced Topics in Management Science 1                    | 1.5 |
| MRKT 671 | Advanced Marketing Analytics.                              | 1.5 |
| MRKT 672 | Internet Marketing Analytics.                              | 1.5 |
| MRKT 673 | Pricing Analytics.                                         | 1.5 |
| MRKT 674 | Retail Analytics.                                          | 1.5 |
| MRKT 696 | Advanced Topics in Marketing Analytics.                    | 1.5 |
| ORGB 671 | Talent Analytics.                                          | 1.5 |
| ORGB 672 | Organizational Network Analysis.                           | 1.5 |
| ORGB 695 | Advanced Topics in Organizational Behaviour.               | 1.5 |

Finance (Non-Thesis) (M.M.) (45 credits)

Offered by: Management (Desautels Faculty of Management)  
Degree: Master of Management  
Program credit weight: 45

Program Description

The Master of Management in Finance; Non-Thesis (MMF) is a flexible-length specialized program that focuses on investment and corporate finance. The program can be completed in 12, 16 or 20 months.

Required Courses (21 credits)

| Expand allContract all |                                |         |
|------------------------|--------------------------------|---------|
| Course                 | Title                          | Credits |
| ACCT 604               | Financial Statements 1.        | 3       |
| FINE 679               | Corporate Finance Theory.      | 3       |
| FINE 680               | Investments.                   | 3       |
| FINE 681               | International Capital Markets. | 3       |
| FINE 682               | Derivatives.                   | 3       |

|          |                           |   |
|----------|---------------------------|---|
| FINE 684 | Fixed Income Analysis.    | 3 |
| FINE 688 | Mergers and Acquisitions. | 3 |

## Complementary Courses (24 credits)

12 credits from:

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| ACCT 605 | Financial Statements 2.     | 3       |
| FINE 674 | Fintech.                    | 3       |
| FINE 677 | Trading and Markets         | 3       |
| FINE 678 | Financial Economics.        | 3       |
| FINE 683 | Advanced Corporate Finance. | 3       |
| FINE 685 | Market Risk Management.     | 3       |
| FINE 686 | Global Corporate Finance.   | 3       |
| FINE 687 | Global Investments.         | 3       |

or any other relevant 600-level courses offered by Desautels Faculty of Management with permission of the Program Adviser.

12 credits from:

Expand allContract all

| Course     | Title                               | Credits |
|------------|-------------------------------------|---------|
| FINE 670   | Fundamentals of Financial Research. | 3       |
| FINE 671   | Applied Finance Project.            | 9       |
| FINE 671D1 | Applied Finance Project.            | 4.5     |
| FINE 671D2 | Applied Finance Project.            | 4.5     |
| FINE 671N1 | Applied Finance Project.            | 4.5     |
| FINE 671N2 | Applied Finance Project.            | 4.5     |

<sup>1</sup> Note: Choose either FINE 671 Applied Finance Project. or FINE 671D1 Applied Finance Project./FINE 671D2 Applied Finance Project. or FINE 671N1 Applied Finance Project./FINE 671N2 Applied Finance Project.

Or

Expand allContract all

| Course     | Title                        | Credits |
|------------|------------------------------|---------|
| FINE 689   | Integrative Finance Project. | 12      |
| FINE 689N1 | Integrative Finance Project. | 6       |
| FINE 689N2 | Integrative Finance Project. | 6       |

## Manufacturing Management (Non-Thesis) (M.M.) (56 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Master of Management

**Program credit weight:** 56

## Program Description

M.M. in Manufacturing Management, Non-Thesis program provides a professional, hands-on approach that addresses all major issues germane to the optimization of operations. The program moved beyond a manufacturing focus to all facets of supply chains, logistics and manufacturing management. A key feature of the program is industry participation and interaction. To ensure a profound comprehension of the issues and challenges facing business today, courses have corporate sponsors and partners that provide case studies, plant tours, seminars, industrial projects and internships. The major emphasis of these activities is on improving productivity and operational effectiveness. The program aims at training the students with diversified backgrounds who wish to pursue a career in the top management of global operations and supply chain.

A version of M.M. in Manufacturing Management, Non-Thesis program is collaboratively offered with Zhejiang University Hangzhou in China.

## Required Courses (20 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MGCR 611 | Financial Accounting.          | 2       |
| MGCR 612 | Organizational Behaviour.      | 2       |
| MGCR 616 | Marketing.                     | 2       |
| MGCR 641 | Elements of Modern Finance 1.  | 2       |
| MGSC 609 | Operations Industrial Seminar. | 1       |
| MGSC 610 | Operations Case Studies.       | 2       |
| MGSC 611 | Operations Industrial Stage.   | 9       |

## Complementary Courses (36 credits)

15-18 credits of General Business and Management courses from the following:

Expand allContract all

| Course   | Title                                                       | Credits |
|----------|-------------------------------------------------------------|---------|
| MGSC 602 | Strategic Management of Operations.                         | 3       |
| MGSC 604 | Managerial Communication in Supply Chain Management.        | 2       |
| MGSC 607 | Corporate Social Responsibility in Supply Chain Management. | 1       |
| MGSC 608 | Data Decisions and Models.                                  | 3       |
| MGSC 619 | Independant Study.                                          | 3       |
| ORGB 625 | Managing Organizational Change.                             | 3       |
| ORGB 632 | Managing Teams in Organizations.                            | 3       |
| ORGB 633 | Managerial Negotiations.                                    | 3       |
| ORGB 640 | The Art of Leadership.                                      | 3       |
| ORGB 685 | Cross Cultural Management.                                  | 3       |

18-21 credits of Manufacturing and Supply Chain courses from the following:

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| INSY 610 | Manufacturing Information Systems .                    | 3       |
| MGSC 603 | Logistics Management.                                  | 3       |
| MGSC 605 | Total Quality Management.                              | 3       |
| MGSC 614 | Computer Integrated Manufacturing.                     | 3       |
| MGSC 615 | Procurement and Distribution.                          | 3       |
| MGSC 617 | Product Design.                                        | 3       |
| MGSC 618 | Data Analytics Foundations in Supply Chain Management. | 3       |
| MGSC 631 | Analysis: Production Operations.                       | 3       |
| MGSC 690 | Selected Topics in Management Science 1 .              | 3       |
| MGSC 691 | Selected Topics in Management Science 2 .              | 3       |

Or any other relevant 600-level courses offered by Desautels Faculty of Management with permission of the Program Director.

## IMHL (Non-Thesis) (M.M.) (45 credits)

**Offered by:** Management (Desautels Faculty of Management)  
**Degree:** Master of Management  
**Program credit weight:** 45

### Program Description

The M.M. in International Master’s for Health Leadership; Non-Thesis program is designed for clinicians and managers in the context of health care that focuses on management skills for emerging health care leaders. This is a 15-month program made up of five 12-day modules, followed by a Master’s paper. The program will be delivered online.

### Required Courses (45 credits)

Expand allContract all

| Course   | Title                  | Credits |
|----------|------------------------|---------|
| BUSA 663 | Reflective Mindset.    | 6       |
| BUSA 667 | Analytic Mindset.      | 6       |
| BUSA 671 | Managerial Experience. | 3       |
| BUSA 676 | Worldly Mindset.       | 6       |
| BUSA 677 | Collaborative Mindset. | 6       |
| BUSA 678 | Catalytic Mindset.     | 6       |
| BUSA 694 | Final Master's Paper.  | 12      |

## IPM (Non-Thesis) (M.M.) (45 credits)

**Offered by:** Management (Desautels Faculty of Management)  
**Degree:** Master of Management  
**Program credit weight:** 45

### Research Project (12 credits)

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| BUSA 689 | Integrative Project. | 12      |

### Required Courses (33 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| BUSA 666 | The Practice of Management. | 5       |
| BUSA 668 | The Venture.                | 5       |
| BUSA 670 | Managing Organizations.     | 5       |
| BUSA 672 | Managerial Exchange.        | 3       |
| BUSA 675 | Managing Context.           | 5       |
| BUSA 680 | Managing People.            | 5       |
| BUSA 685 | Managing Change.            | 5       |

## Retailing (Non-Thesis) (M.M.) (45 credits)

**Offered by:** Management (Desautels Faculty of Management)  
**Degree:** Master of Management  
**Program credit weight:** 45

### Program Description

The Master of Management in Retailing; Non-Thesis, is focused on the customer journey and explores how retail disruptors can lead to retail innovations that can significantly improve operational efficiencies, competitiveness and impact customer satisfaction to provide a foundation for a better society. International in scope, the program will focus on how retailers must adapt to the rapidly changing and increasingly complex global business environment to thrive. It aims to integrate diverse disciplines and experiential learning opportunities, including an optional internship, research opportunities with the state-of-the-art Retail Lab in addition to an international trip and Global Retail Challenge.

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| RETL 601 | Foundations of Retailing .                                 | 3       |
| RETL 603 | Retail Science and Data Analytics.                         | 3       |
| RETL 610 | Environmental Social Governance, Entrepreneurship & Retail | 3       |
| RETL 611 | 360-Degree Customer Insight .                              | 3       |
| RETL 613 | Digital Retailing Models.                                  | 3       |
| RETL 615 | Managing Retail Operations .                               | 3       |
| RETL 617 | Managing for Sustainability.                               | 3       |
| RETL 625 | Experiential Retail.                                       | 3       |
| RETL 639 | Retail Business Insights                                   | 3       |

### Complementary Courses (18 credits)

12-18 credits from:

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| RETL 621 | Retail Internship.                       | 6       |
| RETL 631 | Digital Media Marketing.                 | 3       |
| RETL 633 | Data-Driven Retail Decisions.            | 3       |
| RETL 635 | Creativity and Experiential Economy .    | 3       |
| RETL 637 | Innovative Retail Technology .           | 3       |
| RETL 641 | Fashion Retail Management .              | 3       |
| RETL 643 | Fintech and Financial Services .         | 3       |
| RETL 645 | Food Retail.                             | 3       |
| RETL 647 | Design Thinking and Innovation           | 3       |
| RETL 651 | Retail Practicum.                        | 6       |
| RETL 652 | Independent Study in Retail.             | 3       |
| RETL 661 | Advanced Topics in Retail Management 1 . | 3       |
| RETL 662 | Advanced Topics in Retail Management 2 . | 3       |
| RETL 663 | Advanced Topics in Retail Management 3 . | 3       |
| RETL 664 | Advanced Topics in Retail Management 4   | 3       |

0-6 credits from:

up to 6 credits of course from 600-level courses offered by Desautels Faculty of Management. Course choice must be approved by the Program Administrator/ Program Adviser of the Master of Management in Retailing Non-Thesis program office.

## Management (Ph.D.)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Management focuses on distinctive research and competent educator skills across various aspects of business.

Specialization in one of the following seven disciplines: accounting, finance, information systems, marketing, operations management, including retail management, organizational behaviour, as well as strategy and organization. The program consists of two years of coursework followed by the dissertation research phase.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPH 689 | Teaching and Learning in Higher Education. | 3       |
| MGMT 701 | Comprehensive Examination.                 | 0       |
| MGMT 707 | Research Methodology.                      | 3       |
| MGMT 720 | Research Paper.                            | 3       |

## Complementary Courses (18 credits)

12 credits of specialization courses

6 credits in the support field

## Healthcare Management (Gr. Cert.) (15 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Program credit weight:** 15

## Program Description

The Graduate Certificate in Healthcare Management focuses on a range of managerial skills to positively impact the quality, efficiency and fiscal responsibility of health care delivery. This includes: leading transformation, financial management and analysis, leading and managing people, conflict resolutions and negotiations, process analysis in health care settings, managing and improving quality in health care systems, and health management. The program will be offered in collaboration with the Faculty of Medicine.

Please click here for information on additional requirements for students pursuing this online program: [https://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/undergr...\(distance\)\\_programs](https://www.mcgill.ca/study/university_regulations_and_resources/undergr...(distance)_programs)

## Required Courses (15 credits)

Expand allContract all

| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| ACCT 645D1 | Financial Management in Healthcare.        | 1       |
| ACCT 645D2 | Financial Management in Healthcare.        | 1       |
| BUSA 647D1 | Healthcare Management Practicum.           | 2       |
| BUSA 647D2 | Healthcare Management Practicum.           | 2       |
| MGCR 629   | Healthcare Leadership.                     | 1       |
| MGSC 641D1 | Operations Management in Health Services.  | 1       |
| MGSC 641D2 | Operations Management in Health Services . | 1       |
| MGSC 642D1 | Quality Management in Healthcare.          | 1       |
| MGSC 642D2 | Quality Management in Healthcare.          | 1       |
| ORGB 643D1 | Leading and Managing People in Healthcare. | 1       |
| ORGB 643D2 | Leading and Managing People in Healthcare. | 1       |
| ORGB 644D1 | Managerial Negotiations in Healthcare.     | 1       |
| ORGB 644D2 | Managerial Negotiations in Healthcare.     | 1       |

## Post MBA (Gr. Cert.) (15 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Graduate Certificate Post MBA

**Program credit weight:** 15

### Program Description

This program is no longer accepting new students.

### Required Courses

15 credits of M.B.A. courses.

## Post MBA Japan (Gr. Cert.) (15 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Degree:** Graduate Certificate Post MBA

**Program credit weight:** 15

### Program Description

\*\*This program is no longer accepting new students.\*\*

### Required Courses

15 credits of M.B.A./Japan courses.

## Professional Accounting (Gr. Cert.) (30 credits)

**Offered by:** Management (Desautels Faculty of Management)

**Program credit weight:** 30

### Program Description

The Graduate Certificate in Professional Accounting focuses on the latest concepts and practice related to issues of public accounting (assurance), performance measurement, taxation, and financial business analysis. This program is a recognized professional education program (PEP) of l'Ordre des Comptables Professionnels Agréés du Québec (OCPAQ). Successful completion of this program allows students to write the national CPA Common Final Exams.

## Prerequisite Courses for Canadian B.Com. Students (33 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ACCT 351 | Intermediate Financial Accounting 1. | 3       |
| ACCT 352 | Intermediate Financial Accounting 2. | 3       |
| ACCT 361 | Management Accounting.               | 3       |
| ACCT 362 | Cost Accounting.                     | 3       |
| ACCT 385 | Principles of Taxation.              | 3       |
| ACCT 453 | Advanced Financial Accounting.       | 3       |
| ACCT 463 | Management Control.                  | 3       |

|          |                         |   |
|----------|-------------------------|---|
| ACCT 475 | Principles of Auditing. | 3 |
| ACCT 486 | Business Taxation 2.    | 3 |
| BUSA 364 | Business Law 1.         | 3 |
| FINE 342 | Corporate Finance.      | 3 |

## Prerequisite Courses for Graduate Certificate in Accounting Students (42 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| CCAU 611 | Auditing 1.                        | 3       |
| CCFC 611 | Financial Accounting 1.            | 3       |
| CCFC 612 | Financial Accounting 2.            | 3       |
| CCFC 613 | Financial Accounting 3.            | 3       |
| CCLW 611 | Business Law Concepts.             | 3       |
| CCMA 611 | Managerial Accounting 1.           | 3       |
| CCMA 622 | Managerial Accounting 2.           | 3       |
| CCMA 523 | Managerial Accounting 3.           | 3       |
| CCTX 611 | Taxation 1.                        | 3       |
| CCTX 632 | Taxation 2.                        | 3       |
| CFIN 512 | Corporate Finance.                 | 3       |
| CFIN 522 | Applied Topics: Corporate Finance. | 3       |
| CMIS 641 | Information Systems for Managers.  | 3       |
| CPL2 652 | Strategic Management.              | 3       |

## Required Courses (24 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ACCT 653 | Issues in Professional Accounting 1. | 3       |
| ACCT 654 | Issues in Professional Accounting 2. | 3       |
| ACCT 663 | Strategic Aspects of Accounting 1.   | 3       |
| ACCT 664 | Strategic Aspects of Accounting 2.   | 3       |
| ACCT 695 | Integrative Analysis.                | 4       |
| ACCT 699 | Exam Preparation Seminar.            | 8       |

## Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| ACCT 683 | Practice of Taxation.        | 3       |
| ACCT 687 | Assurance Services.          | 3       |
| ACCT 689 | Financial Business Analysis. | 3       |



# Medicine and Health Sciences

Recognized as one of the top medical schools in North America, McGill University's Faculty of Medicine and Health Sciences has a long tradition of excellence. Founded in 1829, it was McGill's first faculty and the first medical faculty in Canada. As Canada's leading medical research university, McGill has been at the vanguard of breakthroughs in areas such as biomedical science, epigenetics, neuroscience, stem cells, and regenerative medicine. Through its numerous departments, institutes, and units housed within its six schools—Biomedical Sciences, Communication Sciences and Disorders, Medicine, Nursing, Physical and Occupational Therapy, and Population and Global Health—the Faculty fosters an environment where collaboration and technology provide fertile ground for the best and brightest.

## Schools

- Biomedical Sciences (p. 385)
- Communication Sciences and Disorders (p. 410)
- Health Sciences Education (p. 429)
- Interdepartmental Studies (p. 429)
- Medicine (p. 361)
- Population and Global Health (p. 415)

## Medicine

### About the School of Medicine

The School of Medicine is comprised of several departments and divisions, and includes the areas of Undergraduate Medical Education, Postgraduate Medical Education, and Continuing Professional Development (Accreditation/Certification).

For further information, visit the School's website.

### Academic Units within the School of Medicine

#### Medical Physics

The Medical Physics Unit is a division within the Department of Oncology. It is a teaching and research unit focusing on the role that physics and its related sciences play in medicine and cancer research, especially (but not exclusively) in radiation medicine; i.e., radiation oncology, medical imaging, and nuclear medicine. The Unit offers a Graduate Diploma and an M.Sc. in Medical Radiation Physics. Facilities are available for students to undertake a Ph.D. in Physics administered through the Department of Physics, or a Ph.D. in Biological and Biomedical Engineering administered through the Departments of Biomedical Engineering and Bioengineering, each with a research emphasis on medical physics. These graduate programs are supervised, funded, and hosted by Medical Physics Unit PIs (principal investigators).

The research interests of Unit members include various topics related to the application of physics methods to medicine:

- 3D and 4D imaging, the development of new imaging modalities, and applications of imaging in radiation therapy;
- radiation physics and computational and experimental dosimetry;
- AI and machine learning applications to medical imaging, radiation therapy, and health informatics;

- applications of nano-sciences to medical imaging and therapy;
- numerical modelling of fundamental interactions of radiation with living cells;
- metabolic and functional imaging using radio-nuclides and MRI;
- applications of radiation biology to therapy and radiation protection.

The M.Sc., Diploma, 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 Radiology (ACR), the American Society for Radiation Oncology (ASTRO), the Canadian Organization of Medical Physicists (COMP), and the Radiological Society of North America (RSNA).

#### Master of Science (M.Sc.) Medical Radiation Physics (Thesis) (45 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; in governmental organizations as radiation safety experts, etc.; or pursue 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.

#### Graduate Diploma (Gr. Dip.) Medical Radiation Physics (30 credits)

The Medical Physics Unit offers a Graduate Diploma in Medical Radiation Physics which is accredited as a Certificate in Medical Physics by the CAMPEP (Commission on Accreditation of Medical Physics Education Programs). It allows eligible individuals to retrain in Medical Physics. Applicants should hold a Ph.D. degree and also a B.Sc. in Honours Physics, Physics Major, or related Physics-oriented science.

#### Medical Physics Admission Requirements and Application Procedures

Candidates applying to the Graduate Diploma must hold a Ph.D. degree and also a B.Sc. in Physics, Physics Major, or related Physics-oriented science.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures. Further information regarding the application procedures is available on the Medical Physics Unit website.

Only complete applications will be considered.

**Note:** When completing the online application, the following information should be entered in the "Application" section to ensure that the application is routed to the correct department:

Under **Program choice:**

"Application type" = Degree, certificate, or diploma

"Term" = Fall 2027

"Department" = Medical Physics Unit

"Program" = Graduate Diploma (Med Radiation Physics)

or

"Program" = Medical Radiation Physics-T

"Status" = Full Time

Under **Additional Questions:**

Please indicate source(s) of funding to cover tuition and student fees + living expenses while studying at McGill University.

**Supporting Documents:** All supporting documentation must be uploaded to the online application; any documents sent by mail will be considered unofficial and missing from the application. For detailed instructions on how to upload required supporting documents, please see [mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents](http://mcgill.ca/gradapplicants/how-apply/applying-mcgill/documents).

**Transcripts:** All transcripts and degree certificates in a language other than English or French must be uploaded to the application in both the original language version and also in an officially certified English or French language version. If the applicant is accepted, original documents must be presented to the University prior to registration. The grading scale must also be viewable.

**English Language Proficiency:** 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 submitting a TOEFL iBT or IELTS test score. The original test report must be sent electronically by the testing centre to McGill University; to ensure successful transmission, the student's name given to the testing centre must be identical to the name used for the McGill online application, otherwise the electronic result will not be applied to the McGill application.

**Note:** McGill institution code = 0935; Medical Physics Unit = 99 (department not listed).

The test must have been taken within the two years prior to date of application review. For a graduate application to McGill for Fall 2027, the test should not have been taken before January 1, 2025. Applicants from some countries are exempt from providing evidence of English language proficiency. For more information, see [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

**Reference Letters:** In order for referees to receive an automated email with instructions to upload their recommendation, applicants must include referees' institutional email addresses in the online application; Gmail, Yahoo, etc. email addresses will not be accepted.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- GRE is not required for the Medical Physics M.Sc. program.
- Applicants must either complete the "Applicant Statement" portion of the online application, or alternatively, may submit a one-page Personal Statement.
- Applicants are requested to provide information regarding expected funding, etc., under "Additional Questions".

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Medical Physics Unit and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Admissions to the M.Sc. and Graduate Diploma programs are open for the Fall term (beginning in September) only. Applications must be **completed** by December 15 to be considered for the following Fall term—i.e., online application submitted and all required documents uploaded.

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Clinical and Translational Research

Clinical and Translational Research (formerly 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 other centres to supervise graduate students. Graduate Students pursue cutting-edge medical research in a unique setting in which Ph.D. and M.D. researchers collaborate, favouring translational research into the pathogenesis and treatment of disease. The Division offers various programs, each of which has different training objectives (see below). The internationally recognized high-quality training our graduates receive is in essence what distinguishes graduates of our programs from the graduates of comparable programs in peer institutions.

# Clinical and Translational Medicine Admission Requirements and Application Procedures

## Admission Requirements

### M.Sc. or Ph.D. in Experimental Medicine

Candidates who hold only an undergraduate degree in the medical and allied sciences (B.Sc. degree or an M.D. degree), must apply to the M.Sc. program, unless they have an undergraduate CGPA of 3.7/4.0, in which case they may apply for direct entry into the Ph.D. program. 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. 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, the student must submit a Research Project Proposal Form, a 1-2 page document outlining the M.Sc. or Ph.D. project, and a Confirmation of Supervision form.

### M.Sc. (Bioethics Option)

Admission to the master's specialization in Bioethics, from the base discipline of Medicine, is limited to students having degrees in Medicine, Nursing, or 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 requirements, application deadlines, and further information regarding this program, please refer to the Bioethics entry or visit the Master's Specialization in Bioethics website.

### M.Sc. or Ph.D. (Environment Option)

Although the requirements and application deadlines remain the same as the M.Sc. and Ph.D., applicants wishing to apply to the Environment Option must submit additional documents that constitute their application to both the Division of Clinical and Translational Research and the Bieler School of Environment.

Students in the M.Sc. in Experimental Medicine may choose to transfer to the Environment Option; interested students should refer to the departmental website or contact the Student Affairs Office.

**\*\*This program is not currently offered.\*\***

### Graduate Certificate in Regenerative Medicine

Applicants for the Graduate Certificate in Regenerative Medicine must hold a B.Sc. degree. Applicants must have completed with success the following courses: BIOL 200 Molecular Biology, BIOL 202 Basic Genetics, CHEM 212 Introductory Organic Chemistry 1, their equivalent, or permission of the coordinator.

### 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.

## Application Procedures

McGill's online application form for graduate program candidates is available at Applying and admissions | Future Graduate Students - McGill University

Further information is also available on the Division of Clinical and Translational Research website.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

### M.Sc. and Ph.D. in Experimental Medicine

- Personal statement
- Curriculum vitae
- Acceptance by a research director (*Confirmation of Supervision* form duly completed)
- Research Project Proposal form, a 1-2 page document outlining the M.Sc. or Ph.D. research project
- Additional documents (in the cases of the M.Sc. (Bioethics Option) and the M.Sc. or Ph.D. (Environment Option))

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Division of Clinical and Translational Research and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available on our Division of Clinical and Translational Research website.

## Family Medicine

The McGill Department of Family Medicine is home to an exceptional community of primary health care professionals, researchers, students, and support staff, whose mission is to contribute to the health of the population and the sustainability of the health care system in Quebec, in Canada, and internationally by:

- developing research and scholarly activity to contribute to the academic discipline;
- promoting curriculum innovation and education research;
- engaging in international and global health activities;
- developing and engaging in public policy discussions;
- training medical students, residents, and other health care professionals to become committed to primary care, contributing to accessibility, continuity, coordination, accountability, patient-centredness, and health promotion and prevention;
- promoting innovation in family medicine and primary health care delivery and practice.

We understand that research in family medicine and primary care is essential to the achievement of excellence in health care delivery, patient care, and education. Our research division is composed of Ph.D. and clinical researchers who dedicate their efforts to producing and translating knowledge that advances the discipline, practice, and teaching of family medicine and primary care while supporting the scholarly activities of clinicians and residents in the Department. We have developed unique and rigorous research programs for **M.Sc.** and

**Ph.D.** students that advance academic excellence in family medicine and primary health care through patient-oriented, community-based research with innovative methodologies and participatory approaches.

### **Master of Science (M.Sc.) Family Medicine (Thesis) (45 credits) (p. 373)**

The M.Sc. in Family Medicine is a research-oriented thesis-based graduate program in family medicine. The objective is to increase the skills of those interested in carrying out research pertinent to the practice of family medicine.

As many relevant research questions cross conventional boundaries of disciplines and research traditions, we incorporate an **interdisciplinary approach** with an emphasis on **participatory research** and **community engagement**.

This program provides training in epidemiology and statistics, as well as in qualitative, quantitative and mixed methods. Students are also oriented for knowledge synthesis, and participatory research approaches.

An emphasis is placed on the relevance of the thesis research to family practice and primary health care. Close links are maintained with the main family medicine clinical sites located around Montreal and Quebec.

### **Master of Science (M.Sc.) Family Medicine (Thesis): Medical Education (45 credits) (p. 374)**

This program will have very close ties to the Family Medicine Educational Research Group (FMER), which is the corollary of the educational innovations in teaching and research conceived and established in the McGill Department of Family Medicine since 2005. The FMER group's ultimate goal is to advance knowledge to:

1. constantly inform family medicine curricula innovations and continuing professional development to better family physicians' clinical practice;
2. significantly contribute to the development of the family medicine education field of inquiry;
3. rigorously develop and inform medical education policy.

This research agenda of FMER is articulated into four interrelated streams:

1. family physician's professional identity formation;
2. information use and technology in the learning episodes of practicing physicians and organizational learning;
3. program evaluation of educational innovations;
4. knowledge synthesis.

### **Doctor of Philosophy (Ph.D.) Family Medicine & Primary Care (p. 375)**

The Ph.D. program will build upon our M.Sc. in Family Medicine. Research topics in the field of family medicine and primary health care cross conventional discipline boundaries and research traditions. Our training program focuses on patient-oriented, community-based research using innovative methodologies and participatory approaches. The program advances academic excellence in family medicine and primary health care.

## **Medicine, Family Admission Requirements and Application Procedures**

Our program encourages the following applicants:

- Practicing family physicians
- Undergraduate university students with a strong interest in family medicine research
- Family medicine residents who are completing their residency and would like to continue with their education by completing an enhanced skills program specializing in family medicine research with the possibility of obtaining an M.Sc. degree. If interested, you may learn more about the Clinician Scholar Program [here](#)

### **What do we look for?**

**High academic achievement:** A cumulative grade point average (CGPA) of 3.4/4.0, or a GPA of 3.6/4.0 is required in the last two years of full-time studies.

**Proof of competency in oral and written English:** TOEFL: International students who have not received their instruction in English, or whose mother tongue is not English, must pass the Test of English as a Foreign Language (TOEFL) with a minimum score of 86 on the Internet-based test (iBT), with each component score not less than 20 (internet-based test).

**Note:** The TOEFL institution code for McGill University is 0935. For further information, please refer to the TOEFL website.

Alternatively, students may submit International English Language Testing System (IELTS) scores with a minimum overall band score of 6.5. Original score reports must be submitted (photocopies will not be accepted).

For overseas graduates, an attempt is made to situate the applicant's academic grades among the standards of their universities. Grades are, however, converted to their McGill equivalent. International Grade Conversion charts, as well as required admission documentation for each country, are provided by Graduate and Postdoctoral Studies and prospective students should refer to these in order to determine if they are admissible to our program.

### **Application Procedures**

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations and Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

All supplemental application materials and supporting documents must be uploaded directly to the McGill admissions processing system.

- **Supervisor:** All students must be matched to a supervisor to be admitted to our graduate programs; this matching will occur during the application process (i.e., after the applicant has submitted a complete application). After the application has been received, the applicants will have an opportunity to be chosen for an interview with one of our supervisors if the minimum admission requirements have been met. After the application is complete, candidates may contact potential supervisors who interest them for an interview.
- **Application form and fee:** All applicants must complete the Online Application. The application must be accompanied by a



non-refundable application fee payable by credit card (Visa or Mastercard); fee amounts and details are listed on the Student Accounts website. Please ensure you apply for the M.Sc. in Family Medicine or the Ph.D. in Family Medicine and Primary Care.

- **Curriculum Vitae:** Please upload the latest version of your CV, which should include a listing of previous research experience and publications. All relevant research experience should be included in your CV since you are applying for a research position in the Department.
- **Letters of Reference:** Two (2) or three (3) letters of reference must accompany any application to our program. These letters must be no more than six months old, must be on letterhead paper, and are required to be uploaded to the admissions processing system. Applicants are encouraged to request references from academic or other professional employers who can evaluate their potential for graduate studies and research, and who can attest to the applicant's research skills. Referees will also be asked to rank each applicant and to provide a size of the comparison (i.e., out of 50 supervised students). **Any applicant having undertaken previous graduate studies (whether at McGill or elsewhere) should make sure that one of the letters of reference is from their graduate supervisor. Please note:** On the application form, applicants must provide the names and email addresses of referees. McGill will contact these referees via email and invite them to upload reference letters on the applicant's behalf (along with the instructions on how to upload the documents). **Neither of these reference letters should be from the proposed supervisor.**
- **Personal Statement:** Applicants must submit a personal statement in which they:
  - a. describe their background and the reasons why they are applying to the desired program;
  - b. describe their research interests and with whom, among the list of potential supervisors, they would like to work;
  - c. describe how they hope to impact family medicine practice; and
  - d. describe future plans upon graduation from the desired program.

The statement should be no more than two (2) pages long.

- **Writing Assessment**
- **Interview**
- **Official Transcripts:** Applicants must submit one (1) official copy of all transcripts for all post-secondary education undertaken (Quebec students need not submit CEGEP transcripts). Unofficial transcripts may be uploaded to the McGill admissions processing system. Official transcripts are required when an offer of admission has been extended. **Please note:** Official transcripts are not required for studies conducted at McGill University.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement — no more than two (2) pages long

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Family Medicine and may be revised at any time. Applicants must verify all deadlines and

documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

All supporting documents must be received by February 1 for the Fall semester. Candidates who are interested in our MSc programs may apply in either the Fall or Winter semesters. Candidates who are interested in our Ph.D. in Family Medicine and Primary Care program may also apply in either the Fall or Winter semesters.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Otolaryngology – Head and Neck Surgery

The Master of Science degree offered by the Department of Otolaryngology – Head and Neck Surgery provides inter-disciplinary training for clinical or basic science research in Otolaryngology. 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 modelling, ototoxicity, genomics, infection, thyroid disease, or genetics.

### Otolaryngology Admission Requirements and Application Procedures

Admission to the M.Sc. program requires acceptance by a research supervisor, and the proposed program must be approved by the Department.

Applicants require a strong interest in otolaryngology research. They can be otolaryngologists, physicians, Ph.D.s, dentists, therapists, veterinarians, medical professionals, engineering, or science undergraduates, among others.

The results of the Test of English as a Foreign Language (TOEFL) (minimum of 86 on the Internet-based test—iBT) with each component score not less than 20 is 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).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

Prospective students should contact research supervisors individually.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement
- Acceptance by a research supervisor, possibly after Departmental coordination



## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Otolaryngology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Pathology

Pathology is the specialized area of biomedical science that emphasizes the study of disease, and it is therefore one of the most multidisciplinary fields of research. Investigators in a pathology department may be utilizing information and experimental techniques originally developed in almost any area of modern biology and, in return, may contribute new knowledge of benefit to many other disciplines. Research on disease may target any of the organ systems, in normal and abnormal conditions, and studies may be conducted from a structural, functional, or molecular perspective at any level—from the intact organism down to specific components of the individual cell. Research in pathology often provides a unique link to human data, with an opportunity to translate experimental research into improved methods of diagnosis and therapy.

The Graduate Studies Program in the Department of Pathology has been designed to achieve three major goals:

1. To train students in the design, performance, interpretation, and documentation of laboratory research by guiding them as they carry out a thesis project in one of the many sub-disciplines of pathology.
2. To ensure that students have a comprehensive knowledge of biomedical science, with an advanced and up-to-date understanding of pathology. In addition to the scientific component, Ph.D. candidates should also become familiar with the general principles of diagnostic pathology. Foreign medical graduates should be aware that this level of conceptual knowledge regarding diagnostic procedures is **not** adequate preparation for clinical employment. Those wishing to practice pathology as a medical specialty should apply for residency training rather than graduate studies.
3. To provide initial training in effective techniques of scientific communication: organizing and delivering lectures and research seminars, preparing and evaluating manuscripts and grant applications.

The Pathology Department offers research training in a wide variety of areas such as:

- Cancer research, including the fundamental biology of breast cancer, ovarian cancer, brain tumors, soft tissue tumors, and the mechanisms of metastasis;
- Immunology and transplantation;
- Autoimmune disorders;
- Ophthalmic pathology;
- Stem cell biology;

- Pulmonary disease;
- Neurodegenerative disorders;
- Smooth muscle pathophysiology; and
- Genomic biology of cancer.

Modern techniques and equipment include light, fluorescence, and electron microscopy (both transmission and scanning); laser capture microdissection; mass spectroscopy; DNA and RNA sequencing; single cell-RNA sequencing; spatial transcriptomics; liquid biopsy; machine learning; preclinical model development; organoids; microfluidics; CRISPR/CAS9; transgenic mouse models; flow cytometry; cell culture; advanced immunological, pharmacological, biochemical, and physiological techniques; as well as morphometry and computer-aided analysis.

## Pathology Admission Requirements and Application Procedures

### Admission Requirements

Applicants must have a B.Sc. or an equivalent degree with an extensive background in the physiological and biological sciences. An academic record equivalent to or better than a cumulative grade point average (CGPA) of 3.2/4.0 is required. It is an advantage if candidates have very favourable supporting letters or have demonstrated an exceptional aptitude for research. All candidates are expected to apply for scholarships and fellowships, which usually require a higher CGPA or other evidence of excellence.

Applicants to graduate studies whose native language 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.

Students are normally accepted into the M.Sc. program, and those candidates showing exceptional ability may be permitted to transfer (fast-track) into the Ph.D. program after one year of training.

Applicants holding a graduate degree (Master's)—or, in exceptional cases, an undergraduate degree (Bachelor's)—from a recognized institution are eligible to apply to our PhD program. An academic record equivalent to or better than a GPA of 3.5/4.0 at McGill is required for those with a graduate degree. To be considered for direct entry following undergraduate studies, a GPA of 3.7/4.0 is required in addition to considerable and relevant research experience.

For further information, applicants may contact the Teaching Office, Department of Pathology at: [gradstudies.pathology@mcgill.ca](mailto:gradstudies.pathology@mcgill.ca).

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See Graduate Application Procedures (p. ) for detailed application procedures.

All applications will be evaluated by the Pathology Graduate Training Committee (GTC). Candidates found suitable must then be accepted by a research director, and adequate funding must be obtained for both personal support and research expenses.

## Additional Requirements

- Personal statement
- Curriculum vitae
- Research proposal (when appropriate)

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Pathology Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Psychiatry

McGill University's Department of Psychiatry is one 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 and 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 and animal models, and also benefits from expertise ranging from neuroimaging and epigenetics to mental health services and public policy. Our work remains at the cutting edge of research on health, disease, and recovery.

## Psychiatry Admission Requirements and Application Procedures

### Admission Requirements

- 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
- An outline of the proposed thesis research, to be written by the prospective student in collaboration with an appropriate research supervisor
- Curriculum vitae listing previous research experience and publications, if applicable
- Two letters of reference
- 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 86 on the TOEFL Internet-based test (iBT), with each component score not less than 20, or 6.5 on the IELTS test

and

*Master of Science: Psychiatry (thesis)*

- A B.Sc., B.A., B.N., or M.D. degree
- Demonstration of financial support through a scholarship/award and/or by the student's supervisor

*Doctor of Philosophy: Mental Health*

- An M.Sc., or M.A. degree
- The student's statement of purpose for seeking a Ph.D.
- Confirmation of supervision, including confirmation of funding from the supervisor or from an external scholarship

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See the Application Procedures (p. 53) page for more information.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Personal Statement – describing the specific reasons for seeking a Master of Science degree in Psychiatry
- Two Letters of Reference uploaded by the referee - letters must be current (not more than six months old)
- Written Confirmation of Supervision form from the proposed research supervisor

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Psychiatry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website [mcgill.ca/psychiatry/education/graduate-program/prospective-students](http://mcgill.ca/psychiatry/education/graduate-program/prospective-students).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Surgical and Interventional Sciences

Surgical and Interventional Sciences offers graduate-level training leading to an **M.Sc.** or a **Ph.D.** degree. At the master's level, in addition to the core program, those who are interested have a new opportunity to choose a concentration in Surgical Innovation, Surgical Education, or Global Surgery. The Surgical and Interventional Sciences division is responsible for the administration of the graduate programs and allows excellent opportunities for training under the supervision of professors located in the Research Institute of the McGill University Health Centre or other McGill teaching hospitals. The scope of the research and close connections with other Montreal research centres and McGill departments provide ample opportunities for collaboration. Research in the Department covers a wide spectrum, including injury, repair, recovery, tissue engineering, transplantation, fibrosis, cancer and stem cell biology, biomechanics, organ failure, surgical stimulation, surgical innovation, education, and evaluative/outcomes research.

Please consult our department page for more information on finding a supervisor.

## Surgical and Interventional Sciences Admission Requirements and Application Procedures

### M.Sc. Core Program

Usually a B.Sc., M.D., or DVM 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, funding, and direction for their research work.

### M.Sc. Concentrations

Generally a B.Sc. in biological, biomedical, and life science; physical science; computer science; an M.D. degree; or a B.Eng. is required. Exceptionally, on a case-by-case basis, an applicant holding a B.Com.; B.C.L./LL.B.; or B.A. or B.Sc. in humanities and social sciences will be considered. An applicant must have a minimum CGPA of 3.2/4.0.

### Ph.D. Program

Admission is usually through one of the M.Sc. programs, 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, within the Department. Request for such transfer is to be made in writing by the thesis supervisor during the candidate's first year of M.Sc. studies. A candidate for transfer must submit an application to the doctoral program according to normal procedures and deadlines. **Transfer is granted on the basis of an examination administered by the student's Research Advisory Committee.** Exceptional students with a minimum 3.5/4.0 CGPA may apply directly to the Ph.D. program.

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 Certificate and Graduate Diploma

Generally a B.Sc. in biological, biomedical and life science; physical science; computer science; an M.D. degree; or a B.Eng. is required. Exceptionally, on a case-by-case basis, an applicant holding a B.Com.; B.C.L./LL.B.; or B.A. or B.Sc. in humanities and social sciences will be considered. An applicant must have a minimum CGPA of 3.2/4.0.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Research Project Proposal
- Confirmation of Supervisor
- Letter of Understanding
- Tuition Assistance

## Additional Requirements for the Concentrations in Surgical Education and Surgical Innovation and M.Sc. Non-Thesis, M.Sc. Non-Thesis Oncology

- Letter of Intent – A letter of intent from the students describing their reasons for pursuing the concentration of their choice, what their qualifications are, and why they should be accepted.
- Interview session – Students applying to the concentration in Surgical Education or in Surgical Innovation may be requested to attend an interview session either in person, by phone, or via Skype.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by Surgical and Interventional Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Clinical Research (Gr. Dip.) (30 credits) (p. 372)
- Experimental Medicine (Ph.D.) (p. 371)
- Experimental Medicine (Thesis) (M.Sc.) (45 credits) (p. 370)
- Experimental Medicine (Thesis): Bioethics (M.Sc.) (45 credits) (p. 370)
- Experimental Medicine (Thesis): Digital Health Innovation (M.Sc.) (45 credits) (p. 371)
- Family Medicine & Primary Care (Ph.D.) (p. 375)
- Family Medicine (Thesis) (M.Sc.) (45 credits) (p. 373)
- Family Medicine (Thesis): Bioethics (M.Sc.) (45 credits) (p. 373)
- Family Medicine (Thesis): Global Health (M.Sc.) (45 credits) (p. 374)
- Family Medicine (Thesis): Medical Education (M.Sc.) (45 credits) (p. 374)
- Medical Radiation Physics (Gr. Dip.) (30 credits) (p. 370)
- Medical Radiation Physics (Thesis) (M.Sc.) (45 credits) (p. 369)
- Mental Health (Ph.D.) (p. 377)
- Mental Health (Thesis) (M.Sc.) (45 credits) (p. 377)
- Oncology (Grad. Dip.) (30 credits) (p. 375)
- Pathology (Ph.D.) (p. 377)
- Pathology (Thesis) (M.Sc.) (45 credits) (p. 376)
- Regenerative Medicine (Gr. Cert.) (15 credits) (p. 372)
- Surgical and Interventional Sciences (Non-Thesis) (M.Sc.) (45 credits) (p. 381)
- Surgical and Interventional Sciences (Non-Thesis): Oncology (M.Sc.) (45 credits) (p. 382)
- Surgical and Interventional Sciences (Ph.D.) (p. 383)
- Surgical and Interventional Sciences (Thesis) (M.Sc.) (45 credits) (p. 378)
- Surgical and Interventional Sciences (Thesis): Digital Health Innovation (M.Sc.) (45 credits) (p. 378)

- Surgical and Interventional Sciences (Thesis): Global Surgery (M.Sc.) (45 credits) (p. 379)
- Surgical and Interventional Sciences (Thesis): Surgical Education (M.Sc.) (45 credits) (p. 379)
- Surgical and Interventional Sciences (Thesis): Surgical Innovation (M.Sc.) (45 credits) (p. 380)
- Surgical and Interventional Sciences (Thesis): Surgical Outcomes Research (M.Sc.) (45 credits) (p. 380)
- Surgical Innovation (Gr. Cert.) (15 credits) (p. 383)
- Surgical Innovation (Gr. Dip.) (30 credits) (p. 383)

## School of Medicine

680 Sherbrooke St. W., Suite 1701  
Montréal, QC H3A 2M7  
Website: [mcgill.ca/schoolofmedicine](http://mcgill.ca/schoolofmedicine)

## Medical Physics

Medical Physics Unit, DS1-4556  
McGill University Health Centre – Glen Site  
Cedars Cancer Centre  
1001 Décarie Blvd.  
Montréal, QC H4A 3J1

Telephone: 514-934-1934 ext. 44158  
Fax: 514-934-8229  
Email: [margery.knewstubb@mcgill.ca](mailto:margery.knewstubb@mcgill.ca)  
Website: [mcgill.ca/medphys](http://mcgill.ca/medphys)

## Medicine, Experimental

Division of Experimental Medicine  
Department of Medicine  
1001 Décarie Blvd.  
Montréal, QC H4A 3J1

Telephone: 514-934-1934, ext. 34699 or 34700 or 36465  
Email: [experimental.medicine@mcgill.ca](mailto:experimental.medicine@mcgill.ca)  
Website: [mcgill.ca/expmed](http://mcgill.ca/expmed)

## Medicine, Family

Department of Family Medicine  
5858 Côte-des-Neiges Rd., 3rd Floor  
Montréal, QC H3S 1Z1

Email: [graduateprograms.fammed@mcgill.ca](mailto:graduateprograms.fammed@mcgill.ca)  
Website: [mcgill.ca/familymed/education/graduate-programs](http://mcgill.ca/familymed/education/graduate-programs)

## Oncology

Gerald Bronfman Department of Oncology  
5100 de Maisonneuve Blvd. W., Suite 720  
Montréal, QC H4A 3T2

Website: [mcgill.ca/oncology](http://mcgill.ca/oncology)

## Otolaryngology — Head and Neck Surgery

Department of Otolaryngology — Head and Neck Surgery  
MUHC (Royal Victoria Hospital)  
1001 Décarie Blvd., D05.5709

Montréal, QC H4A 3J1

Telephone: 514-934-1934, ext. 36386  
Website: [mcgill.ca/ent](http://mcgill.ca/ent)

## Pathology

Department of Pathology  
Duff Medical Building  
3775 University St., Room B4  
Montréal, QC H3A 2B4

Telephone: 514-398-3045  
Email: [gradstudies.pathology@mcgill.ca](mailto:gradstudies.pathology@mcgill.ca)  
Website: [mcgill.ca/pathology](http://mcgill.ca/pathology)

## Psychiatry

Department of Psychiatry  
1033 Pine Ave. W.  
Montréal, QC H3A 1A1

Telephone: 514-398-4176  
Fax: 514-398-4370  
Email: [graduate.psychiatry@mcgill.ca](mailto:graduate.psychiatry@mcgill.ca)  
Website: [mcgill.ca/psychiatry](http://mcgill.ca/psychiatry)

## Surgical and Interventional Sciences

Surgical and Interventional Sciences (formerly Experimental Surgery)  
Montreal General Hospital  
1650 Cedar Ave., T5-110  
Montréal, QC H3G 1A4

Program Administrator: Micha Huynh,  
[exsu.admissions@mcgill.ca](mailto:exsu.admissions@mcgill.ca), 514-396-2190  
Graduate Program Coordinator: Fabio Ciccocioppo,  
[gradstudies.surgery@mcgill.ca](mailto:gradstudies.surgery@mcgill.ca), 514-399-9298  
Student Affairs Coordinator: Laura  
Epure, [surgicalresearch.med@mcgill.ca](mailto:surgicalresearch.med@mcgill.ca), 514-399-9301  
Website: [mcgill.ca/surgicalandinterventionalsciences](http://mcgill.ca/surgicalandinterventionalsciences)

## Medical Radiation Physics (Thesis) (M.Sc.) (45 credits)

**Offered by:** Medical Physics Unit (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. program in Medical Radiation Physics provides candidates with the knowledge required to enter into the field of medical physics. The program relies on a strong fundamental science background and enables candidates to undergo further training through a clinical residency program or to further advanced graduate studies in medical physics through a Ph.D. degree. Graduates from the program typically find employment in clinical settings, academia, industry, or governmental research and regulatory agencies. The program is accredited by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP).



## Thesis Courses (18 credits)

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| MDPH 691D1 | MSc Thesis Research 2. | 9       |
| MDPH 691D2 | MSc Thesis Research 2. | 9       |

## Required Courses (27 credits)

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| MDPH 601 | Radiation Physics.                                      | 3       |
| MDPH 602 | Radiotherapy Physics.                                   | 3       |
| MDPH 603 | Laboratory Radiotherapy Physics.                        | 2       |
| MDPH 607 | Medical Imaging.                                        | 3       |
| MDPH 608 | Laboratory - Diagnostic Radiology and Nuclear Medicine. | 2       |
| MDPH 609 | Radiation Biology.                                      | 2       |
| MDPH 610 | Instrumentation and Computation in Medical Physics 2.   | 2       |
| MDPH 613 | Health Physics.                                         | 2       |
| MDPH 614 | Physics of Diagnostic Radiology.                        | 3       |
| MDPH 615 | Physics of Nuclear Medicine.                            | 2       |
| MDPH 618 | Anatomy and Physiology for Medical Physics.             | 3       |

## Medical Radiation Physics (Gr. Dip.) (30 credits)

**Offered by:** Medical Physics Unit (Faculty of Medicine and Health Sciences)

**Program credit weight:** 30

### Program Description

The Graduate Diploma in Medical Radiation Physics is intended to provide candidates holding a graduate degree in a related field with the knowledge required to enter into the field of medical physics. The program relies on a strong fundamental science background. The graduate diploma program is accredited by the Commission for Accreditation of Medical Physics Education Programs (CAMPEP) only for students holding a Ph.D. degree.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                                   | Credits |
|----------|---------------------------------------------------------|---------|
| MDPH 601 | Radiation Physics.                                      | 3       |
| MDPH 602 | Radiotherapy Physics.                                   | 3       |
| MDPH 603 | Laboratory Radiotherapy Physics.                        | 2       |
| MDPH 607 | Medical Imaging.                                        | 3       |
| MDPH 608 | Laboratory - Diagnostic Radiology and Nuclear Medicine. | 2       |
| MDPH 609 | Radiation Biology.                                      | 2       |
| MDPH 610 | Instrumentation and Computation in Medical Physics 2.   | 2       |

|          |                                             |   |
|----------|---------------------------------------------|---|
| MDPH 613 | Health Physics.                             | 2 |
| MDPH 614 | Physics of Diagnostic Radiology.            | 3 |
| MDPH 615 | Physics of Nuclear Medicine.                | 2 |
| MDPH 618 | Anatomy and Physiology for Medical Physics. | 3 |
| PHIL 643 | Seminar: Medical Ethics. <sup>1</sup>       | 3 |

<sup>1</sup> Or an equivalent course, at the 500-level or higher, as deemed appropriate by the Graduate Program Director.

## Experimental Medicine (Thesis) (M.Sc.) (45 credits)

**Offered by:** Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The overall objective of this program is to train students in the in-depth analysis of fundamental, translational and/or clinical research.

Students perform studies at diverse levels, from molecular, cellular, and tissue to whole animal, human, and population in order to elucidate mechanisms behind human diseases, leading to drug discovery. Students are trained to perform research in both academic and industrial settings.

## Thesis Courses (36 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| EXMD 690 | Master's Thesis Research 1. | 3       |
| EXMD 692 | Master's Thesis Research 3. | 9       |
| EXMD 693 | Master's Thesis Research 4. | 12      |
| EXMD 694 | Master's Thesis Research 5. | 12      |

## Complementary Courses (9 credits)

9 credits at the 500 level or higher.

Course choices should be made in consultation with research supervisor(s). Courses may be taken outside the department at the 500 level or higher in medical and allied sciences.

<sup>1</sup> Note that some seminar, current topics and readings, and conference courses may not count towards your degree. Thus, students must obtain prior approval from the Division's Student Affairs Coordinator for courses at the 500 level or higher from other Allied Health Sciences departments.

## Experimental Medicine (Thesis): Bioethics (M.Sc.) (45 credits)

**Offered by:** Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science



**Program credit weight:** 45

## Program Description

The M.Sc. in Experimental Medicine; Bioethics focuses on conducting innovative research in relation to a bioethical issue pertinent to health care, and bioethical issues from the current viewpoint of other relevant disciplines such as law, philosophy, and religious studies. The program includes a bioethics practicum; the thesis must focus on bioethics in relation to experimental medicine.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| BIOE 690 | M.Sc. Thesis Literature Survey.        | 3       |
| BIOE 691 | M.Sc. Thesis Research Proposal.        | 3       |
| BIOE 692 | M.Sc. Thesis Research Progress Report. | 6       |
| BIOE 693 | M.Sc. Thesis.                          | 12      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| BIOE 680 | Bioethical Theory.   | 3       |
| BIOE 681 | Bioethics Practicum. | 3       |

## Complementary Courses (15 credits)

3 credits, one of the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| CMPL 642 | Law and Health Care.           | 3       |
| PHIL 643 | Seminar: Medical Ethics.       | 3       |
| RELG 571 | Ethics, Medicine and Religion. | 3       |

12 credits, four 3-credit BIOE or EXMD graduate courses (500, 600, or 700 level) chosen in consultation with the Supervisor.

## Experimental Medicine (Thesis): Digital Health Innovation (M.Sc.) (45 credits)

**Offered by:** Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Experimental Medicine; Digital Health Innovation focuses on the basics of clinical epidemiology, medical artificial intelligence, clinical innovation, and applied data science, including the use and generation of digitized health and social data using specialized software. Fundamentals of current AI applications in medicine, methods to employ big data in clinical tool development, mathematical

principals underpinning digital health and big data, and design thinking methodology in clinical innovation. High-volume streams of clinical and health-related data from clinical systems, wearables and social media.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| EXMD 693 | Master's Thesis Research 4. | 12      |
| EXMD 694 | Master's Thesis Research 5. | 12      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                    | Credits |
|----------|----------------------------------------------------------|---------|
| EXMD 601 | Real World Applications of Data Science and Informatics. | 3       |
| EXMD 634 | Quantitative Research Methods.                           | 3       |
| EXSU 500 | Artificial Intelligence in Medicine .                    | 3       |

## Complementary Course (6 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| EPIB 600 | Clinical Epidemiology.           | 3       |
| EXMD 600 | Principles of Clinical Research. | 3       |

3 credits from the following:

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| EXMD 630 | Developing Digital Innovations for Health Impact. | 3       |
| EXSU 620 | Surgical Innovation 1.                            | 3       |

## Elective Courses (6 credits)

6 credits of courses at the 500 level or higher approved by the Director.

## Experimental Medicine (Ph.D.)

**Offered by:** Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The overall objective of this program is to train students in the in-depth analysis of fundamental, translational and/or clinical research. Students perform studies at diverse levels, from molecular, cellular, and tissue to whole animal, human, and population in order to elucidate mechanisms behind human diseases, leading to drug discovery. Students are trained to become research leaders in both academic and industrial settings.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate

ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course     | Title                           | Credits |
|------------|---------------------------------|---------|
| EXMD 701D1 | Comprehensive Oral Examination. | 0       |
| EXMD 701D2 | Comprehensive Oral Examination. | 0       |

## Complementary Courses (12 or 18 Credits)

12 credits, at the 500 level or higher, are required for students admitted to Ph.D. 2, i.e. students entering the program with a prior Master's degree.

18 credits, at the 500 level or higher, are required for students admitted to Ph.D. 1, i.e. students entering the program with only a B.Sc. or M.D. degree. Students that fast track from the masters level should take a total of 18 credits including previous courses taken at the Masters Level in a related-field.

Course choices should be made in consultation with research supervisor(s). Courses may be taken outside the department at the 500 level or higher in medical and allied sciences .

<sup>1</sup> Note that some seminar, current topics and readings, and conference courses may not count towards your degree. Thus, students must obtain prior approval from the Division's Student Affairs Coordinator for courses at the 500 level or higher from other Allied Health Sciences departments.

## Regenerative Medicine (Gr. Cert.) (15 credits)

**Offered by:** Medicine (Faculty of Medicine and Health Sciences)

**Degree:** C-RMED

**Program credit weight:** 15

## Program Description

The Graduate Certificate in Regenerative Medicine focuses on biology of stem cells, their uses in diagnostic and therapeutic applications, the practicalities of generating them, and using and modifying them for clinical translation. Exploration of the combination of stem cell-based model systems for drug discovery and disease modelling as well as the ethical implications of their use.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| FMED 525 | Foundations of Translational Science. | 3       |
| HGEN 675 | Stem Cell Biology.                    | 3       |
| PHAR 508 | Drug Discovery and Development 3.     | 3       |

## Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| CHEE 512 | Stem Cell Bioprocess Engineering.               | 3       |
| EXMD 501 | Clinical Applications of Regenerative Medicine. | 3       |
| EXMD 505 | Directed Readings in Regenerative Medicine .    | 3       |
| HGEN 660 | Genetics and Bioethics.                         | 3       |

## Clinical Research (Gr. Dip.) (30 credits)

**Offered by:** Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Graduate Diploma in Clinical Research

**Program credit weight:** 30

## Program Description

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, and to put these principles into practice by participating in an ongoing clinical trial. The training provided qualifies students to manage and design clinical research studies in both academic and industrial settings.

## Required Courses (24 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| EXMD 617 | Workshop in Clinical Trials 1.  | 1       |
| EXMD 618 | Workshop in Clinical Trials 2.  | 1       |
| EXMD 619 | Workshop in Clinical Trials 3.  | 1       |
| EXMD 620 | Clinical Trials and Research 1. | 1       |
| EXMD 625 | Clinical Trials and Research 2. | 1       |
| EXMD 626 | Clinical Trials and Research 3. | 1       |
| EXMD 627 | Practicum in Clinical Research. | 18      |

## Complementary Courses (6 credits)

Six credits at the 500 level or higher chosen from: Experimental Medicine (EXMD), Pharmacology and Therapeutics (PHAR), Epidemiology and Biostatistics (EPIB). With prior approval from the Division's Student Affairs Coordinator, courses at the 500 level or higher, from other Allied Health Sciences departments may be accepted.

## Family Medicine (Thesis) (M.Sc.) (45 credits)

**Offered by:** Family Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science in Family Medicine is a research-oriented, two-year graduate program of 45 credits. The program focuses on core methodologies, frameworks, and applications of scientific principles within the realm of family medicine research.

### Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| FMED 697 | Master's Thesis Research 1. | 12      |
| FMED 698 | Master's Thesis Research 2. | 12      |

### Required Courses (13 credits)

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| FMED 505 | Epidemiology and Data Analysis in Primary Care 1. | 3       |
| FMED 509 | Epidemiology and Data Analysis in Primary Care 2. | 3       |
| FMED 603 | Foundations of Participatory Research .           | 1       |
| FMED 614 | Foundations of Mixed Methods Research.            | 2       |
| FMED 616 | Applied Literature Reviews.                       | 1       |
| FMED 625 | Introduction to Qualitative Research in Health.   | 3       |

### Elective Courses (8 credits)

8 credits at the 500 level or higher chosen by the student and the Department in consultation with the student's thesis supervisor(s) of which 3 credits may be chosen from another department at McGill.

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| FMED 504 | Family Medicine Research Seminars.                    | 1       |
| FMED 525 | Foundations of Translational Science.                 | 3       |
| FMED 601 | Advanced Topics in Family Medicine.                   | 3       |
| FMED 604 | Advanced Participatory Research in Health.            | 3       |
| FMED 605 | AI and Analytical Decision-Making in Healthcare.      | 1       |
| FMED 606 | Operational Issues in Survey Methods in Primary Care. | 1       |
| FMED 608 | Advanced Mixed Methods Seminar in Health Research.    | 1       |
| FMED 610 | Foundations of Family Medicine.                       | 1       |
| FMED 611 | Healthcare Systems, Policy and Performance.           | 3       |
| FMED 612 | Evaluation Research and Implementation Science.       | 1       |

|          |                                                              |   |
|----------|--------------------------------------------------------------|---|
| FMED 615 | Applied Knowledge Translation and Exchange in Health.        | 1 |
| FMED 619 | Program Management in Global Health and Primary Health Care. | 3 |
| FMED 621 | Participatory Health Systems for Safe Birth .                | 1 |
| FMED 690 | Advanced Ethnography: Context, Complexity and Coordination.  | 3 |

## Family Medicine (Thesis): Bioethics (M.Sc.) (45 credits)

**Offered by:** Family Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

\*\* Bioethics option no longer available.\*\*

The M.Sc. in Family Medicine; Bioethics is a thesis graduate program option designed to provide graduate training to those interested in studying empirical research methods and bioethics specialization.

### Required Courses (31 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| BIOE 680 | Bioethical Theory.                      | 3       |
| BIOE 681 | Bioethics Practicum.                    | 3       |
| BIOE 690 | M.Sc. Thesis Literature Survey.         | 3       |
| BIOE 691 | M.Sc. Thesis Research Proposal.         | 3       |
| BIOE 692 | M.Sc. Thesis Research Progress Report.  | 6       |
| BIOE 693 | M.Sc. Thesis.                           | 12      |
| FMED 603 | Foundations of Participatory Research . | 1       |

### Complementary Course (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| FMED 505 | Epidemiology and Data Analysis in Primary Care 1. | 3       |
| FMED 625 | Introduction to Qualitative Research in Health.   | 3       |

### Elective Courses (11 credits)

11 credits, at the 500 level or higher, of coursework may be chosen from inside or outside the Department in consultation with the student's academic advisor or supervisor.

# Family Medicine (Thesis): Global Health (M.Sc.) (45 credits)

**Offered by:** Family Medicine (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The M.Sc. in Family Medicine; Global Health emphasizes the foundational values of global primary health care including health equity, cultural safety, social participation in health, and integrated, whole-person care over the life-span. The program provides comprehensive training in quantitative and qualitative methods, the participatory research approach, and integrated knowledge translation and exchange. Topics include primary health care policy and practice, decolonizing approaches, program management, social determinants of health and health equity, and healthcare delivery innovations. The thesis must focus on an international or Canadian global health issue.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| FMED 697 | Master's Thesis Research 1. | 12      |
| FMED 698 | Master's Thesis Research 2. | 12      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| FMED 504 | Family Medicine Research Seminars.                    | 1       |
| FMED 505 | Epidemiology and Data Analysis in Primary Care 1.     | 3       |
| FMED 603 | Foundations of Participatory Research .               | 1       |
| FMED 615 | Applied Knowledge Translation and Exchange in Health. | 1       |
| FMED 625 | Introduction to Qualitative Research in Health.       | 3       |

## Complementary Courses (9 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| FMED 506 | Indigenous Perspectives Decolonizing Health Research.        | 3       |
| FMED 527 | Inuit Health in the Circumpolar World                        | 3       |
| FMED 604 | Advanced Participatory Research in Health.                   | 3       |
| FMED 611 | Healthcare Systems, Policy and Performance.                  | 3       |
| FMED 619 | Program Management in Global Health and Primary Health Care. | 3       |

|          |                                |   |
|----------|--------------------------------|---|
| PPHS 511 | Fundamentals of Global Health. | 3 |
| PPHS 613 | The Practice of Global Health. | 3 |

## Elective Courses (3 credits)

3 credits at the 500 level or higher chosen in consultation with the student's thesis supervisor and the Director of the concentration, based on the student's area of interest.

# Family Medicine (Thesis): Medical Education (M.Sc.) (45 credits)

**Offered by:** Family Medicine (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The M.Sc. in Family Medicine; Medical Education focuses on educating future scholars in family medicine education research. The program includes teaching and learning in research methodologies while emphasizing training in educational theories and topics, with a particular attention to health professions education. The thesis must concern an educational issue related to family medicine.

## Thesis Courses (24 credits)

Thesis subject should be related to medical education.

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| FMED 697 | Master's Thesis Research 1. | 12      |
| FMED 698 | Master's Thesis Research 2. | 12      |

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| EDPE 637 | Issues in Health Professions Education.           | 3       |
| FMED 505 | Epidemiology and Data Analysis in Primary Care 1. | 3       |
| FMED 610 | Foundations of Family Medicine.                   | 1       |
| FMED 614 | Foundations of Mixed Methods Research.            | 2       |
| FMED 625 | Introduction to Qualitative Research in Health.   | 3       |

## Complementary courses (9 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| FMED 509 | Epidemiology and Data Analysis in Primary Care 2. | 3       |
| FMED 603 | Foundations of Participatory Research .           | 1       |

|          |                                                       |   |
|----------|-------------------------------------------------------|---|
| FMED 606 | Operational Issues in Survey Methods in Primary Care. | 1 |
| FMED 615 | Applied Knowledge Translation and Exchange in Health. | 1 |
| FMED 616 | Applied Literature Reviews.                           | 1 |

6 credits from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDEC 612 | Digital Media and Learning.                | 3       |
| EDEM 644 | Curriculum Development and Implementation. | 3       |
| EDEM 673 | Leadership Theory in Education.            | 3       |
| EDPE 635 | Theories of Learning and Instruction.      | 3       |
| EDPE 664 | Critical Thinking                          | 3       |
| EDPE 670 | Educational Assessment and Evaluation.     | 3       |

## Family Medicine & Primary Care (Ph.D.)

**Offered by:** Family Medicine (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

### Program Description

The PhD program will build upon our MSc in Family Medicine.

Research topics in the field of family medicine and primary health care cross conventional discipline boundaries and research traditions. Our training program focuses on patient-oriented, community-based research using innovative methodologies and participatory approaches. The program advances academic excellence in family medicine and primary health care.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### PhD Comprehensive Exam

PhD students are expected to demonstrate proficiency in the following topics: basic statistics, epidemiology, qualitative and mixed methods, literature synthesis, knowledge translation and participatory research approaches. If a PhD candidate does not have prior training in any of these areas and believes that he or she cannot answer questions on these topics during the comprehensive exam, additional courses will be required for the PhD student.

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| FMED 701 | PhD Comprehensive Examination. | 0       |

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| FMED 601 | Advanced Topics in Family Medicine.               | 3       |
| FMED 604 | Advanced Participatory Research in Health.        | 3       |
| FMED 702 | Advanced Doctoral Primary Care Research Seminars. | 1       |

<sup>1</sup> Note: this slot course must be taken three times (3 cr.)

### Elective Course (3 credits)

3 credits in advanced research methods, at the 600 level or higher. May be chosen from outside the Department, in consultation with the student's academic advisor or supervisor.

### Oncology (Grad. Dip.) (30 credits)

**Offered by:** Gerald Bronfman Dept Oncology (Faculty of Medicine and Health Sciences)

**Degree:** D-ONCO

**Program credit weight:** 30

### Program Description

\*\*This program is currently not offered.\*\*

The Graduate Diploma in Oncology provides exposure to the entire spectrum of principles and practice in all fields of oncology as well as its research domains while allowing exploration in more detail of a specific area of focus through courses and a practicum. The areas of focus are: population and global cancer control, psychosocial oncology/palliative care, clinical cancer research, or cancer care services and quality.

### Required Courses (12 Credits)

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| ONCO 610D1 | Fundamentals of Oncology and Cancer Research. | 3       |
| ONCO 610D2 | Fundamentals of Oncology and Cancer Research. | 3       |
| ONCO 620   | Best Practices in Biomedical Research.        | 3       |
| ONCO 630   | Oncology Practicum.                           | 3       |

### Complementary Courses (12 Credits)

6 credits from:

Expand allContract all



| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EPIB 671 | Cancer Epidemiology and Prevention.   | 3       |
| PPHS 612 | Principles of Public Health Practice. | 3       |

OR

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| NUR2 783 | Psychosocial Oncology Research.               | 3       |
| ONCO 635 | Qualitative and Psychosocial Health Research. | 3       |

OR

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| EXMD 617 | Workshop in Clinical Trials 1.              | 1       |
| EXMD 618 | Workshop in Clinical Trials 2.              | 1       |
| EXMD 619 | Workshop in Clinical Trials 3.              | 1       |
| ONCO 615 | Principles and Practice of Clinical Trials. | 3       |

OR

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| ONCO 625 | Quality Improvement Principles and Methods. | 3       |
| PPHS 528 | Economic Evaluation of Health Programs.     | 3       |

If a course in the course grouping is not available in a given year, a suitable replacement will be chosen by the Graduate Program Director in consultation with the Program Committee.

3 credits from:

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| DENT 505 | Epidemiology and Data Analysis in Primary Care 1. | 3       |
| EPIB 507 | Biostats for Health Sciences.                     | 3       |
| EPIB 521 | Regression Analysis for Health Sciences.          | 3       |
| EXMD 634 | Quantitative Research Methods.                    | 3       |
| FMED 505 | Epidemiology and Data Analysis in Primary Care 1. | 3       |

OR

3 credits of a research design or statistics course at the 500 level or higher chosen in consultation with the student's mentor and approved by the Program Committee and the Graduate Program Director. Students who already have a very strong background in statistics may be exempt from taking a statistics course and would choose another 3-credit course. This must be approved by the Program Committee and the Graduate Program Director.

3 credits from:

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| EPIB 671 | Cancer Epidemiology and Prevention.                          | 3       |
| EXMD 614 | Environmental Carcinogenesis.                                | 3       |
| EXMD 620 | Clinical Trials and Research 1.                              | 1       |
| EXMD 625 | Clinical Trials and Research 2.                              | 1       |
| EXMD 626 | Clinical Trials and Research 3.                              | 1       |
| EXMD 640 | Experimental Medicine Topic 1.                               | 3       |
| EXSU 505 | Trends in Precision Oncology.                                | 3       |
| FMED 619 | Program Management in Global Health and Primary Health Care. | 3       |
| ONCO 611 | Proteomics for Precision Medicine.                           | 3       |
| ONCO 615 | Principles and Practice of Clinical Trials.                  | 3       |
| ONCO 625 | Quality Improvement Principles and Methods.                  | 3       |
| ONCO 635 | Qualitative and Psychosocial Health Research.                | 3       |
| ONCO 645 | Seminars in Global Oncology.                                 | 3       |
| POTH 637 | Cancer Rehabilitation.                                       | 3       |
| PPHS 528 | Economic Evaluation of Health Programs.                      | 3       |
| PSYC 507 | Emotions, Stress, and Illness.                               | 3       |
| SWRK 668 | Living with Illness, Loss and Bereavement.                   | 3       |

The course will be chosen in consultation with the student's mentor and must be approved by the Program Committee and the Graduate Program Director.

## Elective Courses (6 credits)

6 credits at the 500 level or higher can be chosen from the course list above or from other courses. The courses do not necessarily have to include cancer-related content, but must have relevance to the field. The courses will be chosen in consultation with the student's mentor and must be approved by the Program Committee and the Graduate Program Director.

## Pathology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Pathology (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The Master of Science (M.Sc.) in Pathology (Thesis) is a research-intensive program that provides advanced training in scientific inquiry, data analysis, and communication. Original research conducted under faculty supervision focusing on hands-on experience in experimental design, laboratory techniques, and interpretation of results. The program emphasizes critical reading of scientific literature, independent thinking, and collaborative learning within a multidisciplinary environment.

## Thesis Courses (33 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| PATH 690 | M.Sc. Thesis Research Project 1. | 9       |
| PATH 691 | M.Sc. Thesis Research Project 2. | 9       |
| PATH 692 | M.Sc. Thesis Research Project 3. | 12      |
| PATH 693 | M.Sc Thesis Research Project 4.  | 3       |

Students are required to complete all four thesis courses as part of their M.Sc. Research Project requirements.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| PATH 620 | Research Seminar 1. | 3       |
| PATH 622 | Research Seminar 2. | 3       |

## Complementary Courses (6 credits)

3-6 credits, from the following:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| PATH 504 | Disease in Depth.             | 3       |
| PATH 607 | Biochemical Pathology.        | 3       |
| PATH 652 | Molecular Biology of Disease. | 3       |

0-3 credits at 500-, 600-, or 700-level, subject to approval of the research director and Graduate Students Committee. May be taken in another department.

## Pathology (Ph.D.)

**Offered by:** Pathology (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy (Ph.D.) in Pathology covers research topics across multiple disciplines in a broad range of diseases including cancer, autoimmune disorders, pulmonary diseases and neurodegenerative disorders. The program offers access to cutting-edge research methodologies for in-depth analysis of fundamental, translational and/or clinical research to understand mechanisms of disease pathogenesis.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| PATH 620 | Research Seminar 1.                           | 3       |
| PATH 622 | Research Seminar 2.                           | 3       |
| PATH 701 | Comprehensive Examination - Ph.D. Candidates. | 0       |

## Complementary Courses (9 credits)

3-9 credits from the following:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| PATH 504 | Disease in Depth.             | 3       |
| PATH 607 | Biochemical Pathology.        | 3       |
| PATH 652 | Molecular Biology of Disease. | 3       |

0-6 credits at the 500 level or higher, which may be chosen from courses outside the Department of Pathology in consultations with the research director and graduate student advisory committee.

## Mental Health (Thesis) (M.Sc.) (45 credits)

**Offered by:** Psychiatry (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Mental Health provides training in research methodology related to psychiatry and mental health topics and entails the completion of a thesis research project.

## Thesis Courses (36 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| PSYT 691 | Thesis Research 1. | 12      |
| PSYT 692 | Thesis Research 2. | 12      |
| PSYT 693 | Thesis Research 3. | 12      |

## 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.

## Mental Health (Ph.D.)

**Offered by:** Psychiatry (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Mental Health, which is rooted in a strong tradition of multidisciplinary research approaches, focuses on the development of mental health services and policy, social and cultural psychiatry, and clinical and transnational psychiatry. Students are exposed to a rich body of knowledge in psychiatry and mental health research methods by participating in regular academic activities organized by different units of the Department of Psychiatry, such as weekly research seminars, global mental health rounds, Indigenous mental health workshops, the Summer Program in Cultural Psychiatry, and the conferences and workshops organized by the Advanced Study Institute in Cultural Psychiatry.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| PSYT 606 | Mental Illness: Symptoms Diagnostics and Determinants. | 3       |
| PSYT 701 | Comprehensive Exam Mental Health.                      | 0       |

## Complementary Courses (3 credits)

3 credits from the following or 3 credits of 500 level or higher from another unit chosen in consultation with the student's academic advisor or supervisor:

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| PSYT 500 | Advances: Neurobiology of Mental Disorders. | 3       |
| PSYT 515 | Advanced Studies in Addiction.              | 3       |
| PSYT 620 | Trends in Clinical Psychiatry.              | 3       |
| PSYT 625 | Qualitative Research in Health Care.        | 3       |
| PSYT 630 | Statistics for Neurosciences.               | 3       |
| PSYT 633 | Social and Cultural Research Methods.       | 3       |
| PSYT 682 | Psychosocial Issues of Disease.             | 3       |
| PSYT 696 | Special Topics in Psychiatry.               | 3       |
| PSYT 711 | Cultural Psychiatry.                        | 3       |
| PSYT 713 | Psychiatric Epidemiology.                   | 3       |

## Surgical and Interventional Sciences (Thesis) (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Surgical and Interventional Sciences; Surgical Innovation program focuses on hands-on learning experience and the skills necessary for the creation of novel, needs driven and marketable prototypes used in development of novel surgical and medical devices. Identification of clinical needs and innovate solutions.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| EXSU 690 | M.Sc. Research 1. | 4       |
| EXSU 691 | M.Sc. Research 2. | 4       |
| EXSU 692 | M.Sc. Research 3. | 4       |
| EXSU 693 | M.Sc. Thesis.     | 18      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| EXSU 602 | Knowledge Management 2. | 3       |

And:

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 575 | Statistics for Practitioners.     | 3       |
| EPIB 507 | Biostats for Health Sciences.     | 3       |
| EXSU 606 | Statistics for Surgical Research. | 3       |

## Complementary Courses (9 credits)

9 credits, taken from 500, 600, or 700 level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Advisory Committee to take additional courses.

## Surgical and Interventional Sciences (Thesis): Digital Health Innovation (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Surgical and Interventional Sciences; Digital Health Innovation focuses on the basics of clinical epidemiology, medical artificial intelligence (AI), clinical innovation, and applied data science, including the use and generation of digitized health and social data using specialized software. Fundamentals of current AI applications in medicine, methods to employ big data in clinical tool development, mathematical principals underpinning digital health and big data, and design thinking methodology in clinical innovation. High-volume streams of clinical and health-related data from clinical systems, wearables, and social media.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| EXSU 690 | M.Sc. Research 1. | 4       |
| EXSU 691 | M.Sc. Research 2. | 4       |
| EXSU 692 | M.Sc. Research 3. | 4       |
| EXSU 693 | M.Sc. Thesis.     | 18      |

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                                                    | Credits |
|----------|----------------------------------------------------------|---------|
| EXMD 600 | Principles of Clinical Research.                         | 3       |
| EXMD 601 | Real World Applications of Data Science and Informatics. | 3       |
| EXMD 634 | Quantitative Research Methods.                           | 3       |
| EXSU 500 | Artificial Intelligence in Medicine .                    | 3       |
| EXSU 620 | Surgical Innovation 1.                                   | 3       |

## Surgical and Interventional Sciences (Thesis): Global Surgery (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Surgical and Interventional Sciences; Global Surgery emphasizes health care needs specifically within the surgical field in resource-limited settings. It comprises three main pillars: research, education, and mentorship. The program involves extensive research work, the design and implementation of innovative approaches in surgical care and injury surveillance, that advance the surgical capacities in low and middle income countries. The program offers global surgical endeavours allowing professionals from partner countries and Canada to engage in a learning and knowledge transfer experience. The program provides the opportunity to engage in international research projects including injury epidemiology surveillance and assessment of surgical access through the study of databases. The thesis must be relevant to global surgery.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| EXSU 690 | M.Sc. Research 1. | 4       |
| EXSU 691 | M.Sc. Research 2. | 4       |
| EXSU 692 | M.Sc. Research 3. | 4       |
| EXSU 693 | M.Sc. Thesis.     | 18      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EPIB 507 | Biostats for Health Sciences.            | 3       |
| EPIB 521 | Regression Analysis for Health Sciences. | 3       |
| EXSU 602 | Knowledge Management 2.                  | 3       |

## Complementary Courses (6 credits)

6 credits, taken from 500-, 600-, or 700-level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Advisory Committee to take additional courses.

## Surgical and Interventional Sciences (Thesis): Surgical Education (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Surgical and Interventional Sciences; Surgical Education focuses on educational theory, assessment, curricular design, and implementation, and key environments that surgical training takes place in (e.g., operating rooms, simulation centres, and technology-rich learning environments, such as virtual reality (VR)). The research thesis identifies and investigates a research problem founded in best practices of education research.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| EXSU 690 | M.Sc. Research 1. | 4       |
| EXSU 691 | M.Sc. Research 2. | 4       |
| EXSU 692 | M.Sc. Research 3. | 4       |
| EXSU 693 | M.Sc. Thesis.     | 18      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPH 689 | Teaching and Learning in Higher Education. | 3       |
| EXSU 603 | Surgical Education Foundations.            | 3       |

## Complementary Courses (9 credits)

3 credits from the following:

| Expand allContract all |                                   |         |
|------------------------|-----------------------------------|---------|
| Course                 | Title                             | Credits |
| EDPE 575               | Statistics for Practitioners.     | 3       |
| EDPE 676               | Intermediate Statistics.          | 3       |
| EXSU 606               | Statistics for Surgical Research. | 3       |

6 credits from the following:

| Expand allContract all |                                         |         |
|------------------------|-----------------------------------------|---------|
| Course                 | Title                                   | Credits |
| EDPE 605               | Research Methods.                       | 3       |
| EDPE 637               | Issues in Health Professions Education. | 3       |

Or from 500-, 600-, or 700-level courses in consultation with the Research Advisory Committee.

Depending on their individual backgrounds, students may be asked by their Research Advisory Committee to take other courses.

## Surgical and Interventional Sciences (Thesis): Surgical Innovation (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

### Program Description

The M.Sc. in Surgical and Interventional Sciences; Surgical Innovation program focuses on hands-on learning experience and the skills necessary for the creation of novel, needs driven and marketable prototypes used in development of novel surgical and medical devices. Identification of clinical needs and innovate solutions.

### Thesis Courses (30 credits)

| Expand allContract all |                   |         |
|------------------------|-------------------|---------|
| Course                 | Title             | Credits |
| EXSU 690               | M.Sc. Research 1. | 4       |
| EXSU 691               | M.Sc. Research 2. | 4       |
| EXSU 692               | M.Sc. Research 3. | 4       |
| EXSU 693               | M.Sc. Thesis.     | 18      |

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| EXSU 619 | The Hospital Environment. | 3       |
| EXSU 620 | Surgical Innovation 1.    | 3       |
| EXSU 621 | Surgical Innovation 2.    | 3       |

And:

3 credits from the following:

| Expand allContract all |                                   |         |
|------------------------|-----------------------------------|---------|
| Course                 | Title                             | Credits |
| EDPE 575               | Statistics for Practitioners.     | 3       |
| EPIB 507               | Biostats for Health Sciences.     | 3       |
| EXSU 606               | Statistics for Surgical Research. | 3       |

## Complementary Courses (3 credits)

3 credits taken from 500-, 600-, or 700- level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Supervisory Committee to take additional courses.

## Surgical and Interventional Sciences (Thesis): Surgical Outcomes Research (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

### Program Description

The M.Sc. in Surgical and Interventional Sciences; Surgical Outcomes Research program focuses on the science of measuring and improving the outcomes of surgical patients. The program addresses research methods, biostatistics, and strategies to measure and improve postoperative outcomes. The thesis component of the program must focus on a topic in the field of surgical outcomes research.

### Required Courses (33 credits)

| Expand allContract all |                                         |         |
|------------------------|-----------------------------------------|---------|
| Course                 | Title                                   | Credits |
| EXSU 610               | Surgical Outcomes Research Foundations. | 3       |
| EXSU 690               | M.Sc. Research 1.                       | 4       |
| EXSU 691               | M.Sc. Research 2.                       | 4       |
| EXSU 692               | M.Sc. Research 3.                       | 4       |
| EXSU 693               | M.Sc. Thesis.                           | 18      |

## Complementary Courses (12 credits)

3 credits from the following:



Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| EPIB 600 | Clinical Epidemiology.           | 3       |
| EXMD 600 | Principles of Clinical Research. | 3       |

3 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EPIB 507 | Biostats for Health Sciences.  | 3       |
| EXMD 634 | Quantitative Research Methods. | 3       |

6 credits from the following:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| EPIB 521 | Regression Analysis for Health Sciences.           | 3       |
| EPIB 629 | Knowledge Synthesis.                               | 3       |
| EXSU 500 | Artificial Intelligence in Medicine .              | 3       |
| FMED 625 | Introduction to Qualitative Research in Health.    | 3       |
| PPHS 527 | Economics for Health Services Research and Policy. | 3       |

Or other relevant 500-, 600-, or 700-level courses upon approval of the student's Research Advisory Committee.

## Surgical and Interventional Sciences (Non-Thesis) (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

This M.Sc. in Surgical and Interventional Sciences; Non#Thesis offers training in core fundamentals of modern surgical research. The program is flexible and provides the core disciplines in more specific areas such as global surgery, innovation, education, or other disciplines. The individual research interests of the faculty cover a wide spectrum, from injury, repair, recovery, tissue engineering, transplantation, fibrosis, cancer and stem cell biology, biomechanics, and organ failure, to surgical simulation, surgical innovation, education, and evaluative/ outcomes research. Importantly, the project(s) is performed in a collaborative spirit with basic and clinician scientists working together using interdisciplinary approaches to solve the most challenging problems in the field of surgery.

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EXSU 500 | Artificial Intelligence in Medicine . | 3       |
| EXSU 602 | Knowledge Management 2.               | 3       |
| EXSU 623 | Surgery Research Project 2.           | 6       |

## Complementary Courses (24 credits)

3 credits selected from:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 575 | Statistics for Practitioners.     | 3       |
| EPIB 507 | Biostats for Health Sciences.     | 3       |
| EXSU 606 | Statistics for Surgical Research. | 3       |

Or 3 credits of a research design or statistics course at the 500 level or higher.

3 credits selected from:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EXSU 603 | Surgical Education Foundations.       | 3       |
| FMED 525 | Foundations of Translational Science. | 3       |

6 credits selected from the following <sup>1</sup>:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPE 637 | Issues in Health Professions Education.    | 3       |
| EDPH 689 | Teaching and Learning in Higher Education. | 3       |
| EPIB 521 | Regression Analysis for Health Sciences.   | 3       |
| EXSU 505 | Trends in Precision Oncology.              | 3       |
| EXSU 620 | Surgical Innovation 1.                     | 3       |
| EXSU 621 | Surgical Innovation 2.                     | 3       |
| PPHS 528 | Economic Evaluation of Health Programs.    | 3       |

<sup>1</sup> Note: Students either take EDPE 637 Issues in Health Professions Education. and EDPH 689 Teaching and Learning in Higher Education.; or EPIB 521 Regression Analysis for Health Sciences. and PPHS 528 Economic Evaluation of Health Programs.; or EXSU 620 Surgical Innovation 1. and EXSU 621 Surgical Innovation 2.; or EXSU 505 Trends in Precision Oncology. and any course in the course grouping available in a given year if the number of registered students has not exceeded the projected enrolment.

12 credits selected from:

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| BMDE 653 | Patents in Biomedical Engineering.               | 3       |
| BMDE 654 | Biomedical Regulatory Affairs - Medical Devices. | 3       |
| BMDE 655 | Biomedical Clinical Trials - Medical Devices.    | 3       |
| DENT 669 | Extracellular Matrix Biology.                    | 3       |
| EDPE 637 | Issues in Health Professions Education.          | 3       |
| EDPE 687 | Qualitative Methods in Educational Psychology.   | 3       |
| EDPH 689 | Teaching and Learning in Higher Education.       | 3       |
| EPIB 681 | Global Health: Epidemiological Research.         | 3       |
| EXMD 609 | Cellular Methods in Medical Research.            | 3       |

|            |                                                              |   |
|------------|--------------------------------------------------------------|---|
| EXMD 610   | Molecular Methods in Medical Research.                       | 3 |
| EXSU 501   | Medical Technology Internship 1.                             | 6 |
| EXSU 601   | Knowledge Management 1.                                      | 3 |
| EXSU 605   | Biomedical Research Innovation.                              | 3 |
| EXSU 620   | Surgical Innovation 1.                                       | 3 |
| EXSU 621   | Surgical Innovation 2.                                       | 3 |
| EXSU 622D1 | Surgery Research Project 1.                                  | 6 |
| EXSU 622D2 | Surgery Research Project 1.                                  | 6 |
| EXSU 684   | Signal Transduction.                                         | 3 |
| FMED 619   | Program Management in Global Health and Primary Health Care. | 3 |
| PHGY 518   | Artificial Cells.                                            | 3 |
| PHGY 550   | Molecular Physiology of Bone.                                | 3 |
| PPHS 511   | Fundamentals of Global Health.                               | 3 |
| PPHS 529   | Global Environmental Health and Burden of Disease.           | 3 |

## Elective Courses (9 credits)

9 credits taken from 500-, 600-, or 700-level courses at the University, which may include courses from the list above, will be taken with the approval of the director of the program/adviser.

## Surgical and Interventional Sciences (Non-Thesis): Oncology (M.Sc.) (45 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Surgical and Interventional Sciences, Non Thesis – Oncology program features an integrated dual research focus that bridges oncology and surgical science. The curriculum emphasizes applied oncology research within a defined cancer discipline alongside surgery-based research informed by oncological principles. This interdisciplinary design reflects the integration of cancer research, surgical practice, and interventional innovation in contemporary clinical science. The research project must focus on oncology in relation to surgical and interventional sciences.

## Required Courses (15 credits)

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| EXSU 505   | Trends in Precision Oncology.                 | 3       |
| EXSU 623   | Surgery Research Project 2.                   | 6       |
| ONCO 610D1 | Fundamentals of Oncology and Cancer Research. | 3       |
| ONCO 610D2 | Fundamentals of Oncology and Cancer Research. | 3       |

## Complementary Courses (30 credits)

3 credits selected from:

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| DENT 505 | Epidemiology and Data Analysis in Primary Care 1. | 3       |
| EDPE 575 | Statistics for Practitioners.                     | 3       |
| EPIB 507 | Biostats for Health Sciences.                     | 3       |
| EPIB 521 | Regression Analysis for Health Sciences.          | 3       |
| EXSU 606 | Statistics for Surgical Research.                 | 3       |

Or 3 credits of a research design or statistics course at the 500 level or higher chosen in consultation with the student's mentor and approved by the Program Committee and the Graduate Program Director.

Students who already have a very strong background in statistics may be exempt from taking a statistics course and would choose another 3-credit course. This must be approved by the Program Committee and the Graduate Program Director.

27 credits selected from:

Expand allContract all

| Course     | Title                                                        | Credits |
|------------|--------------------------------------------------------------|---------|
| EPIB 671   | Cancer Epidemiology and Prevention.                          | 3       |
| EXMD 614   | Environmental Carcinogenesis.                                | 3       |
| EXMD 617   | Workshop in Clinical Trials 1.                               | 1       |
| EXMD 618   | Workshop in Clinical Trials 2.                               | 1       |
| EXMD 619   | Workshop in Clinical Trials 3.                               | 1       |
| EXMD 620   | Clinical Trials and Research 1.                              | 1       |
| EXMD 625   | Clinical Trials and Research 2.                              | 1       |
| EXMD 626   | Clinical Trials and Research 3.                              | 1       |
| EXMD 635D1 | Experimental/Clinical Oncology.                              | 3       |
| EXMD 635D2 | Experimental/Clinical Oncology.                              | 3       |
| EXMD 640   | Experimental Medicine Topic 1.                               | 3       |
| EXSU 500   | Artificial Intelligence in Medicine .                        | 3       |
| EXSU 601   | Knowledge Management 1.                                      | 3       |
| EXSU 602   | Knowledge Management 2.                                      | 3       |
| FMED 619   | Program Management in Global Health and Primary Health Care. | 3       |
| PPHS 528   | Economic Evaluation of Health Programs.                      | 3       |
| PSYC 507   | Emotions, Stress, and Illness.                               | 3       |
| SWRK 668   | Living with Illness, Loss and Bereavement.                   | 3       |

Or other courses, at the 500 level or higher, chosen with approval from the instructor and in consultation with the student's supervisor and approved by the Program Committee and the Graduate Program Director.

# Surgical and Interventional Sciences (Ph.D.)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Surgical and Interventional Sciences focuses on the field of surgery and interventions. The program emphasizes research that involves innovative surgical techniques, patient management strategies, and the application of new technological advances in the medical field.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| EXSU 700 | Comprehensive Examination. | 0       |

And:

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 575 | Statistics for Practitioners.     | 3       |
| EPIB 507 | Biostats for Health Sciences.     | 3       |
| EXSU 606 | Statistics for Surgical Research. | 3       |

## Complementary Courses (12 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| EDPH 689 | Teaching and Learning in Higher Education. | 3       |
| EXMD 634 | Quantitative Research Methods.             | 3       |
| EXSU 500 | Artificial Intelligence in Medicine .      | 3       |
| EXSU 601 | Knowledge Management 1.                    | 3       |
| EXSU 602 | Knowledge Management 2.                    | 3       |
| EXSU 603 | Surgical Education Foundations.            | 3       |
| EXSU 619 | The Hospital Environment.                  | 3       |

|          |                        |   |
|----------|------------------------|---|
| EXSU 620 | Surgical Innovation 1. | 3 |
| EXSU 621 | Surgical Innovation 2. | 3 |

And 6 credits at the 500 level or higher in the student's specialty, selected in consultation with the Research Supervisory Committee.

## Surgical Innovation (Gr. Cert.) (15 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)  
**Program credit weight:** 15

## Program Description

The core of this 15-credit graduate program consists of two innovation courses (EXSU 620 Surgical Innovation 1. and EXSU 621 Surgical Innovation 2.) delivered by McGill Department of Surgery, with some sessions offered by external partners: John Molson School of Business (lean start-up), Concordia (software design), Local Industry (Regulatory & IP), and ETS (prototyping). the first semester of the program core focuses on team building and, supported by lectures, the students embark on a needs-finding process by observing all aspect of clinical activity in their focus themes. Trainees learn basic prototyping skills, start up organization and project management, supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This certificate provides a solid foundation in the innovation process.

## Required Courses (12 credits)

9 credits in:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| EXSU 619 | The Hospital Environment. | 3       |
| EXSU 620 | Surgical Innovation 1.    | 3       |
| EXSU 621 | Surgical Innovation 2.    | 3       |

And:

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 575 | Statistics for Practitioners.     | 3       |
| EPIB 507 | Biostats for Health Sciences.     | 3       |
| EXSU 606 | Statistics for Surgical Research. | 3       |

Some courses may be substituted with equivalents if timetabling requires it.

## Elective Course (3 credits)

3 credits at the 500 level or higher, taken in consultation with the program director/adviser.

## Surgical Innovation (Gr. Dip.) (30 credits)

**Offered by:** Surgery (Faculty of Medicine and Health Sciences)

**Program credit weight:** 30

## Program Description

The cores of this 30-credit program are two-fold. Firstly, two innovation courses are offered by the McGill Department of Experimental Surgery (EXSU 620 Surgical Innovation 1. & EXSU 621 Surgical Innovation 2.) and supporting courses are delivered by the McGill Department of Surgery with some sessions in those courses provided by external partners: Local Industry (Regulatory & IP), the John Molson School of Business (JMSB) (lean start-up), Concordia University (software design), and L'École de technologie supérieure (ETS) (prototyping). Secondly, fundamental business and management courses provided by the School of Continuing Studies (McGill) and JMSB are taken concurrently and reinforce the innovation project team experience. Students embark on a hospital-based needs finding process by observing all aspects of clinical activity in their focus themes. The trainees learn basic prototyping skills, start-up organization, and project management. This is supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This graduate diploma then gives a business-oriented training in the surgical innovation process.

## Elective Courses (6 credits)

6 credits at the 500 level or higher, taken in consultation with the program director/advisor.

Some courses may be substituted with equivalents at the 500 level or higher if timetabling or background of the student requires it, e.g., prior qualification in accounting.

## Required Courses (15 credits)

12 credits in:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| CORG 556 | Managing and Engaging Teamwork. | 3       |
| EXSU 619 | The Hospital Environment.       | 3       |
| EXSU 620 | Surgical Innovation 1.          | 3       |
| EXSU 621 | Surgical Innovation 2.          | 3       |

And:

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EDPE 575 | Statistics for Practitioners.     | 3       |
| EPIB 507 | Biostats for Health Sciences.     | 3       |
| EXSU 606 | Statistics for Surgical Research. | 3       |

## Complementary Courses (9 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| CACC 520 | Accounting for Management.                        | 3       |
| CMR2 642 | Marketing Principles and Applications.            | 3       |
| CPL2 610 | Practical Communication and Presentation Skills . | 3       |

Or:

9 credits of graduate-level courses taken at Concordia University, chosen in consultation with the program director/advisor.

# Biomedical Sciences

## Academic Units within the School of Biomedical Sciences

### Anatomy and Cell Biology

The Department offers graduate programs leading to **M.Sc.** and **Ph.D.** degrees. 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 such as:

- cell and molecular biology;
- cellular immunology and hematology;
- reproductive biology;
- calcified tissue biology;
- tumour 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.

The Department has one of the largest and best-equipped electron microscope facilities in the world. Currently in use are four modern electron microscopes which include 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.

### Funding

The minimum yearly stipend for M.Sc. students is \$28,500 for Canadian Citizens and Permanent Residents, and \$30,000 for International students. All Ph.D. students receive a minimum yearly stipend of \$30,000. The minimum stipend for International students is guaranteed for the duration of the residency period in which students pay their highest fees.

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.

### Departmental Seminars

Nationally and internationally recognized scientists present their research findings to the Department at a regular seminar series throughout the academic year. On a regular basis, graduate students also present their own research progress and results to other students, postdoctoral fellows, and researchers in the Department through the Research in Progress seminar series.

### Program Overview

Graduate research activities for the **Master of Science (M.Sc.) Cell Biology (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 a top Canadian university with worldwide recognition. The thesis-based Master's 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. 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 successful careers in academic settings as well as in industry or other fields.

The thesis-based **Doctor of Philosophy (Ph.D.) Cell Biology** 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.

### Anatomy and Cell Biology Admission Requirements and Application Procedures

#### Admission Requirements

Admission is based on the candidate's academic record and letters of recommendation. A minimum cumulative grade point average (CGPA) of 3.0/4.0 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 an associate member of the Department of Anatomy and Cell Biology (Adjunct members may serve only as co-supervisors while the primary supervisor must be a full or associate member of the Department). 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 (Cell Biology)

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 3.0/4.0 as indicated in the general guidelines set up by GPS

### Ph.D. Program (Cell Biology)

1. An M.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 3.0/4.0 as indicated in the general guidelines set up by GPS

### International Applicants

Graduate studies applicants 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 86 on the Internet-based test (iBT) with each component score 20 or higher.

or



IELTS: Minimum overall band score of 6.5.

## Application Procedures

McGill's online application form for graduate program candidates is available at: [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > Graduate Admissions and Application Procedures (p. 81) for detailed application procedures. Further details from the department can be found on our Graduate webpage.

All applicants are advised to contact potential research supervisors before the application process since supervisor acceptance is required. Information about the research interests of faculty members can be found in our Departmental Directory. A list of professors who are actively recruiting can also be found on the site.

Program guidelines are listed under the Master's and Doctorate pages on our Graduate Webpage.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Agreement of a faculty member to act as Thesis Supervisor and to provide adequate financial support.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Anatomy and Cell Biology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available on our Graduate Webpage.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## 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;
- cancer.

Specialized graduate training programs in Chemical Biology, Human Systems Biology (Bioinformatics), Cancer Research/Oncology, and Structural Biology are available. Laboratories are located in the new Bellini Life Sciences Building and Rosalind and Morris Goodman Cancer Research Institute, 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 eight Canada Research Chairs.

## Funding

Master's students receive a minimum stipend of approximately \$23,000 annually; doctoral students receive approximately \$24,000. 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 Funding website.

## 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.

## Master of Science (M.Sc.) Biochemistry (Thesis) (45 credits) (p. 395)

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.

## Master of Science (M.Sc.) Biochemistry (Thesis): Bioinformatics (45 credits) (p. 395)

**\*\*This program is currently not offered.\*\***

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.

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.

## Master of Science (M.Sc.) Biochemistry (Thesis): Chemical Biology (45 credits) (p. 396)

**\*\*This program is currently not offered.\*\***

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 that unite the research being performed in this group is the attempt 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; 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.

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.

### **Doctor of Philosophy (Ph.D.) Biochemistry (p. 397)**

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.

### **Doctor of Philosophy (Ph.D.) Biochemistry: Bioinformatics (p. 397)**

**\*\*This program is currently not offered.\*\***

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 analyse 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.

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.

### **Doctor of Philosophy (Ph.D.) Biochemistry: Chemical Biology (p. 398)**

**\*\*This program is currently not offered.\*\***

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; 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.

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 Ph.D. option provides advanced training in Chemical Biology based on independent research.

Financial support for students in the program is available from a variety of sources, including competitively awarded CIHR-funded Chemical Biology Scholarship awards.

### **Biochemistry 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 into the Ph.D. program after successfully completing the transfer seminar (BIOC 701 Research Seminar 1.) 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 (Test of English as a Foreign Language): N.B. an institutional version of the TOEFL is not acceptable. Minimum acceptable scores are: IBT (Internet-Based Test): 86 overall, no less than 20 in each of the four component scores.  
or  
IELTS: (International English Language Testing System): a band score of 6.5 or greater (Academic module)
- International students who have received their degree outside North America should submit GRE scores: The GRE is not required but is recommended for international students. The Biochemistry subject test is now part of the Biology test. The most important sub-score is "Cellular and Molecular Biology", followed by "Evolution"; "Organismal Biology and Ecology" is less important.

For additional information, please consult the Department of Biochemistry website.

### Admission Requirements — Bioinformatics or Chemical Biology Option (options are not offered at this time—in review)

As for the regular graduate programs of the Biochemistry Department, acceptance into the Bioinformatics or 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 Bioinformatics or 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 Bioinformatics or Chemical Biology Program Committee.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations and Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures. Information for prospective students is also available on the Department of Biochemistry's website.

All applicants are advised 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 [mcgill.ca/biochemistry/research](http://mcgill.ca/biochemistry/research) and [mcgill.ca/biochemistry/about-us/departments/faculty-members](http://mcgill.ca/biochemistry/about-us/departments/faculty-members).

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement
- Agreement of a faculty member to act as Thesis Supervisor and to provide adequate financial support
- Acceptance by a Bioinformatics or Chemical Biology research director

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Biochemistry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

### Biomedical Engineering

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;
- microencapsulation;
- microbiome and probiotics;
- functional food and nutraceuticals;
- medical imaging;
- microfluidics;
- nanomedicine and nanotechnology;
- 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.

The Department offers M.Sc. and Ph.D. thesis options through the interfaculty program Biological and Biomedical Engineering. The Department also offers a M.Sc. (Applied) in Translational Biomedical Engineering. For additional information, see the Biomedical Engineering website.

## Biomedical Engineering Admission Requirements and Application Procedures

Please refer to Admission Requirements (Minimum Requirements to be Considered for Admission) (p. 53). In addition, please see the Department's website: [mcgill.ca/bme/studies/translational](http://mcgill.ca/bme/studies/translational).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

Refer to the Application Procedures (p. 54) page for detailed application procedures.

Please address enquiries directly to the Department.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Biomedical Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list of appropriate contacts at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** Applications for Summer term admission will not be considered.

## 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
- genomics

Many of our faculty members hold cross-appointments in various departments (including Biochemistry, Biology, Cardiology, Medicine, Microbiology, Immunology, Neurology, Pathology, Pediatrics, Pharmacology, Psychiatry, etc.) within the Faculties of Science and Medicine and Health Sciences. 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 and Hospital, the McGill Life Sciences Complex, the Victor Phillip Dahdaleh Institute of Genomic Medicine, the Centre for Genomics and Policy, the Lady Davis Research Institute, the Douglas Hospital Research Centre and the Goodman Cancer Institute.

## M.Sc. and Ph.D. Degrees in the Department of Human Genetics

The Department of Human Genetics offers a clinical master's program, M.Sc. in Genetic Counselling, as well as research training at both the M.Sc. and Ph.D. levels in Human Genetics. Both the M.Sc. and Ph.D. in Human Genetics 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.

Most of the faculty members of the Human Genetics Department are located in McGill teaching hospitals, reflecting the medically learned knowledge at the core of human genetic studies.

Detailed information regarding faculty research interests can be found on the Department website.

The Graduate Training Committee requires that students who have been accepted into the M.Sc. or Ph.D. in Human Genetics research graduate program have a guaranteed minimum stipend, which is determined by the **Faculty of Medicine and Health Sciences Minimum Funding Policy for Thesis-based Graduate Students**.

This includes a living allowance **plus the full amount of tuition, along with student and insurance fees**. Current and detailed information regarding financial matters can be found on the Student Funding webpage.

## Tuition Assistance Packages

A certain number of tuition assistance packages will be offered to incoming out-of-province/international students for the M.Sc. or Ph.D. in Human Genetics thesis program who have demonstrated outstanding academic achievement. Students who have a CGPA of 3.5/4.0 or above (according to McGill GPS guidelines for grade conversion) and who submit an online application and documents by their respective deadline will automatically be considered for assistance. Once applications have been received by the deadline, the Graduate Training Committee will review all eligible applications and award tuition assistance to certain top eligible candidates at the time of admission into the program.



# Human Genetics Admission Requirements and Application Procedures

## Admission Requirements

### M.Sc. in Genetic Counselling

#### Prerequisites

- Bachelor's or medical degree—minimum cumulative grade point average (CGPA) of 3.2/4.0, or 3.4/4.0 in the last two full-time academic years;
- Recent (within the past five years) university-level courses in molecular/cell biology, biochemistry, advanced genetics (preferably human), statistics, and a minimum of two courses in psychology;
- Some experience (either paid or volunteer) working with adults in a counselling or advisory capacity, ideally in a crisis setting.

For detailed information, visit the Genetic Counselling Program website.

### M.Sc. and Ph.D. in Human Genetics

#### Prerequisites

- B.Sc.—minimum CGPA of 3.2/4.0;
- A minimum of 6 credits in cellular and molecular biology or biochemistry, 3 credits in mathematics or statistics, and 3 credits in genetics.

Admission is based on acceptance by a research supervisor, confirmed funding for the duration of the academic program, and an online application evaluated by the Graduate Training Committee.

Prospective graduate students should complete the online application and indicate the name of the secured research supervisor.

**Enrolment in the Bioinformatics option can only be approved after a student has been admitted into the Department.** There is an agreement for the option that must be signed by the student, supervisor, and Department, and enrolment in the option is subject to space availability and other constraints that the Department cannot assess at the time of admission. For more information, please contact the Graduate Program Coordinator.

For detailed information, visit the Human Genetics program website.

## Language 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 a TOEFL or IELTS test score to McGill University. For TOEFL, a minimum score of 100 on the Internet-based test (iBT) is required, with each component scoring 20 or higher. On the IELTS the minimum standard for consideration is 7.

**Note:** TOEFL scores must be sent electronically by the testing agency to McGill University using our institution code of 0935. Scanned copies of results or hard copies sent in the mail will not be entered as received in your application. IELTS scores also must be submitted electronically by the test centre to McGill University.

## Application Procedures

McGill's online application for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Human Genetics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Applications for thesis programs submitted after these deadlines may be considered, if a suitable supervisor can be secured. However, these applications will not be considered for departmental funding or entrance awards.

The **M.Sc. Genetic Counselling program** accepts applications for the Fall term only. **No late applications or applications for Summer or Winter terms for the Genetic Counselling program will be considered under any circumstances.**

## 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
- 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.

## Master of Science (M.Sc.) Microbiology and Immunology (Thesis) (45 credits) (p. 404)

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 must register for our



graduate courses (two seminars, two reading and conference courses). If pertinent to the student's research program, the research advisor may advise the student to take additional courses.

Most of our students, after one year, are proficient researchers, and some first authors of a research publication. M.Sc. students may fast-track to the Ph.D. program after three terms of residency. The remaining students advance their microbiology background by opting to enter into medicine, epidemiology, biotechnology, or pharmaceutical disciplines.

### **Doctor of Philosophy (Ph.D.) Microbiology and Immunology (p. 404)**

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 additional graduate seminar and one additional reading and conference course, but the bulk of their 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.

### **Microbiology and Immunology Admission Requirements and Application Procedures** **Admission Requirements** **Master of Science (M.Sc.)**

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 DVM degrees are also eligible to apply. The minimum cumulative grade point average (CGPA) for acceptance into the program is 3.2/4.0.

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.

- TOEFL Internet-Based Test (iBT): a minimum overall score of 86 (no less than 20 in each of the four components)
- IELTS: a minimum overall band score of 6.5

The TOEFL Institution Code for McGill University is 0935.

### **Doctor of Philosophy (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.

### **Application Procedures**

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

All applicants must approach academic staff members directly during or before the application process since no applicants are accepted without a supervisor.

### **Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- Supervisor Confirmation Form
- Personal Statement
- CV

### **Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Microbiology and Immunology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Online applications and all required documents must be submitted prior to the application deadline.

### **Pharmacology and Therapeutics**

The Department of Pharmacology and Therapeutics offers training leading to **M.Sc.** (Thesis) and **Ph.D.** degrees.

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 provides broad exposure and training in both basic and clinical research across various specialized areas, including:

- neuropharmacology;
- reproductive pharmacology;
- endocrine pharmacology;
- receptor pharmacology;
- cardiovascular pharmacology;
- cancer;
- developmental pharmacology;
- autonomic pharmacology;
- clinical pharmacology;
- biochemical pharmacology;

- molecular biology;
- toxicology.

The Department currently boasts 51 full and affiliate members, who 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, Montreal Heart Institute, Lady Davis Research Institute, Pfizer Canada, and MUHC Research Institute. The participation of researchers from both industry and government ensures the relevance and applicability of the Department's training programs.

### Pharmacology and Therapeutics Admission Requirements and Application Procedures

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 DVM 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—when possible—interviews with members of Pharmacology Graduate Training Committee. Students are required to take the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS), 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 ([gradstudies.pharmacology@mcgill.ca](mailto:gradstudies.pharmacology@mcgill.ca)), Department of Pharmacology and Therapeutics, as early as possible in each academic year.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](https://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > *Graduate* > *Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Personal Statement
- Two (2) confidential letters of recommendation preferably from professors or research-related employers

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Pharmacology and Therapeutics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](https://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at <https://www.mcgill.ca/pharma/students/graduate/admissions>

Please refer to our website for complete deadlines.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## 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 modelling by computational means.

All graduate students in Physiology receive financial support. Any faculty or associate member who agrees to supervise a graduate student who does not hold a fellowship is financially responsible for that student. Students are encouraged to apply for a fellowship; further information is available on our department's Awards and Financial Assistance page.

### Physiology Admission Requirements and Application Procedures

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 Enrolment Services, 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 fast track to the Ph.D. program after 12–18 months. 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.

A minimum CGPA of 3.2/4.0 or a GPA of 3.4/4.0 in the last two years is required for an application to be considered.

The GRE General Test is no longer required.

### Language Requirements

Test of English as a Foreign Language (TOEFL): minimum score of 86 on the Internet-based test with each component score not less than 20 OR IELTS (International English Language Testing System) with an overall band of 6.5 or greater. 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.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See the Application Procedures (p. 53) page for more information.

Applications should be submitted as early as possible in order to facilitate processing. However, no applications will be considered after the application deadlines.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae
- Two letters of reference
- Personal Statement
- TOEFL (if applicable)
- List of supervisor preferences

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Physiology Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [www.mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines](http://www.mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

Interested candidates should refer to the Department of Physiology's website for details regarding application procedures, as well as other important information.

- Biochemistry (Ph.D.) (p. 397)
- Biochemistry (Thesis) (M.Sc.) (45 credits) (p. 395)
- Biochemistry (Thesis): Bioinformatics (M.Sc.) (45 credits) (p. 395)
- Biochemistry (Thesis): Chemical Biology (M.Sc.) (45 credits) (p. 396)
- Biochemistry: Bioinformatics (Ph.D.) (p. 397)
- Biochemistry: Chemical Biology (Ph.D.) (p. 398)
- Biomedical Science Translational Research (Gr. Cert.) (15 credits) (p. 406)
- Cell Biology (Ph.D.) (p. 395)
- Cell Biology (Thesis) (M.Sc.) (45 credits) (p. 394)
- Genetic Counselling (Non-Thesis) (M.Sc.) (48 credits) (p. 402)
- Human Genetics (Ph.D.) (p. 403)
- Human Genetics (Thesis) (M.Sc.) (45 credits) (p. 401)
- Human Genetics (Thesis): Bioethics (M.Sc.) (45 credits) (p. 402)
- Human Genetics (Thesis): Bioinformatics (M.Sc.) (45 credits) (p. 401)
- Human Genetics: Bioinformatics (Ph.D.) (p. 403)
- Microbiology and Immunology (Ph.D.) (p. 404)
- Microbiology and Immunology (Thesis) (M.Sc.) (45 credits) (p. 404)
- Pharmacology (Ph.D.) (p. 405)
- Pharmacology (Thesis) (M.Sc.) (45 credits) (p. 404)
- Pharmacology (Thesis): Environmental Health Sciences (M.Sc.) (45 credits) (p. 405)
- Pharmacology: Environmental Health Sciences (Ph.D.) (p. 406)
- Physiology (Ph.D.) (p. 408)
- Physiology (Thesis) (M.Sc.) (45 credits) (p. 407)
- Physiology (Thesis): Bioinformatics (M.Sc.) (45 credits) (p. 407)
- Physiology (Thesis): Chemical Biology (M.Sc.) (45 credits) (p. 407)
- Physiology: Bioinformatics (Ph.D.) (p. 408)
- Physiology: Chemical Biology (Ph.D.) (p. 408)
- Translational Biomedical Engineering (Gr. Cert.) (15 credits) (p. 400)
- Translational Biomedical Engineering (Non-Thesis) (M.Sc.A.) (45 credits) (p. 399)

## School of Biomedical Sciences

School of Biomedical Sciences  
3605 Rue de la Montagne  
Montréal, QC H3G 2M1

Website: [mcgill.ca/sbms](http://mcgill.ca/sbms)

## Anatomy and Cell Biology

Department of Anatomy and Cell Biology  
Strathcona Anatomy and Dentistry Building  
3640 University St., Rooms M21-M31  
Montréal, QC H3A 0C7

Telephone: 514-398-6350

Fax: 514-398-5047

Website: [mcgill.ca/anatomy](http://mcgill.ca/anatomy)

## Biochemistry

Department of Biochemistry  
McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler  
Montréal, QC H3G 1Y6

Christine Laberge: Student Affairs Officer/Graduate Program Coordinator

Telephone: 514-398-2423

Email: [christine.laberge@mcgill.ca](mailto:christine.laberge@mcgill.ca)

Website: [mcgill.ca/biochemistry](http://mcgill.ca/biochemistry)

## Biomedical Engineering

Department of Biomedical Engineering  
Duff Medical Building  
3775 University Street, Room 316  
Montréal, QC H3A 2B4

Telephone: 514-398-6736

Website: [mcgill.ca/bme](http://mcgill.ca/bme)

## Human Genetics

Department of Human Genetics  
Strathcona Anatomy and Dentistry Building  
3640 University St., Room 2/38F  
Montréal, QC H3A 0C7

Telephone: 514-398-4198  
Fax: 514-398-2430  
Email: dept.humangenetics@mcgill.ca  
Website: mcgill.ca/humangenetics

## Microbiology and Immunology

Department of Microbiology and Immunology  
Duff Medical Building, Room 511  
3775 University St.  
Montréal, QC H3A 2B4

Telephone: 514-398-3061  
Fax: 514-398-7052  
Email: grad.microimm@mcgill.ca  
Website: mcgill.ca/microimm

## Pharmacology and Therapeutics

Department of Pharmacology and Therapeutics  
McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler, Room 1325  
Montréal, QC H3G 1Y6

Telephone: 514-398-3623  
Fax: 514-398-2045  
Email: gradstudies.pharmacology@mcgill.ca  
Website: mcgill.ca/pharma

## Physiology

Department of Physiology  
McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler  
Montréal, QC H3G 1Y6

Telephone: 514-398-4343  
Website: mcgill.ca/physiology

## Cell Biology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Anatomy and Cell Biology (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Cell Biology focuses on the study of the assembly, structure and functional dynamics of macromolecular protein complexes. The research topics range from the understanding of the mechanisms of bacterial antimicrobial resistance to unveiling the mechanisms of cell division, transport and sorting of proteins, structure and function of extracellular matrices, and the mechanisms of cancer and aging. Training includes the application of cutting-edge

technologies to molecular and cell biology, based on hypothesis-driven research.

## Thesis Course (24 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| ANAT 698 | M.Sc. Thesis Research 1. | 24      |

## Required Course (12 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| ANAT 601 | MSc Seminar Examination.    | 3       |
| ANAT 695 | Seminars in Cell Biology 1. | 3       |
| ANAT 696 | Seminars in Cell Biology 2. | 3       |
| ANAT 697 | Seminars in Cell Biology 3. | 3       |

## Complementary Courses (9 credits)

6 credits from one of two streams: Cell Developmental Biology Stream or Human Systems Biology Stream

### Cell Developmental Biology Stream

Expand allContract all

| Course     | Title                           | Credits |
|------------|---------------------------------|---------|
| ANAT 690D1 | Cell and Developmental Biology. | 3       |
| ANAT 690D2 | Cell and Developmental Biology. | 3       |

### Human Systems Biology Stream

\*\* This stream is currently under review. \*\*

6 credits required:

Expand allContract all

| Course     | Title                           | Credits |
|------------|---------------------------------|---------|
| ANAT 690D1 | Cell and Developmental Biology. | 3       |
| ANAT 690D2 | Cell and Developmental Biology. | 3       |

3 credits selected from:

Expand allContract all

| Course   | Title                                                | Credits |
|----------|------------------------------------------------------|---------|
| BMDE 502 | BME Modelling and Identification.                    | 3       |
| BMDE 519 | Biomedical Signals and Systems.                      | 3       |
| BTEC 501 | Bioinformatics.                                      | 3       |
| COMP 564 | Advanced Computational Biology Methods and Research. | 3       |
| COMP 680 | Mining Biological Sequences.                         | 4       |
| EXMD 602 | Techniques in Molecular Genetics.                    | 3       |
| MIMM 613 | Current Topics 1.                                    | 3       |
| MIMM 614 | Current Topics 2.                                    | 3       |
| MIMM 615 | Current Topics 3.                                    | 3       |
| NEUR 502 | Basic and Clinical Aspects of Neuroimmunology.       | 3       |



Upon consultation with the supervisor, students may select a 3-credit course outside of this list from Biomedical Science courses at the 500-600 level.

## Cell Biology (Ph.D.)

**Offered by:** Anatomy and Cell Biology (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

Expand allContract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| ANAT 690D1 | Cell and Developmental Biology.  | 3       |
| ANAT 690D2 | Cell and Developmental Biology.  | 3       |
| ANAT 695   | Seminars in Cell Biology 1.      | 3       |
| ANAT 696   | Seminars in Cell Biology 2.      | 3       |
| ANAT 697   | Seminars in Cell Biology 3.      | 3       |
| ANAT 701   | Ph.D. Comprehensive Examination. | 0       |

## Biochemistry (Thesis) (M.Sc.) (45 credits)

**Offered by:** Biochemistry (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The M.Sc. in Biochemistry focuses on the chemistry, structure and function of biological molecules through seminars, courses and a major part of work in a research laboratory.

### Thesis Courses (36 credits)

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| BIOC 697 | Thesis Research 1. | 9       |
| BIOC 698 | Thesis Research 2. | 12      |
| BIOC 699 | Thesis Research 3. | 15      |

### Required Course (3 credits)

Expand allContract all

| Course     | Title                     | Credits |
|------------|---------------------------|---------|
| BIOC 696D1 | Seminars in Biochemistry. | 1.5     |
| BIOC 696D2 | Seminars in Biochemistry. | 1.5     |
| BIOC 696N1 | Seminars in Biochemistry. | 1.5     |
| BIOC 696N2 | Seminars in Biochemistry. | 1.5     |

<sup>1</sup> Students choose either BIOC 696D1/D2 or BIOC 696N1/N2.

## Complementary Courses <sup>1</sup> (6 credits)

<sup>1</sup> Complementary courses are chosen in consultation with the Research Director.

At least 3 credits must be chosen from the following:

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| BIOC 600   | Advanced Strategies in Genetics and Genomics. | 3       |
| BIOC 603   | Genomics and Gene Expression.                 | 3       |
| BIOC 604   | Macromolecular Structure.                     | 3       |
| BIOC 605   | Protein Biology and Proteomics.               | 3       |
| BIOC 670   | Biochemistry of Lipoproteins.                 | 3       |
| EXMD 615   | Essentials of Glycobiology.                   | 3       |
| EXMD 635D1 | Experimental/Clinical Oncology.               | 3       |
| EXMD 635D2 | Experimental/Clinical Oncology.               | 3       |

0-3 credits, at the 500 level or higher in biomedical and allied sciences.

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.

## Biochemistry (Thesis): Bioinformatics (M.Sc.) (45 credits)

**Offered by:** Biochemistry (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The M.Sc. in Biochemistry; Bioinformatics involves the development of strategies for experimental design, the construction of computer science tools to analyze large datasets, the application of modelling techniques, the integration of biological databases, and the use of algorithms and statistics. Permission of the Graduate Program Director to enroll in this concentration is required to ensure that the proposed research thesis focusses on bioinformatics related to biochemistry.

### Thesis Courses (30 credits)

Expand allContract all



| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BIOC 694 | Thesis Research 1 - Bioinformatics | 6       |
| BIOC 698 | Thesis Research 2.                 | 12      |
| BIOC 699 | Thesis Research 3.                 | 15      |

## Required Courses (6 credits)

Expand allContract all

| Course     | Title                                  | Credits |
|------------|----------------------------------------|---------|
| BIOC 696D1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696D2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| QLSC 601D1 | Quantitative Life Sciences Seminars 1. | 0       |
| QLSC 601D2 | Quantitative Life Sciences Seminars 1. | 0       |

<sup>1</sup> Students choose either BIOC 696D1/D2 or BIOC 696N1/N2.

## Complementary Courses (9 credits)

<sup>1</sup> Complementary courses are chosen in consultation with the Research Director.

3 credits to be chosen from the following courses:

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| BIOC 600   | Advanced Strategies in Genetics and Genomics. | 3       |
| BIOC 603   | Genomics and Gene Expression.                 | 3       |
| BIOC 604   | Macromolecular Structure.                     | 3       |
| BIOC 605   | Protein Biology and Proteomics.               | 3       |
| BIOC 670   | Biochemistry of Lipoproteins.                 | 3       |
| EXMD 615   | Essentials of Glycobiology.                   | 3       |
| EXMD 635D1 | Experimental/Clinical Oncology.               | 3       |
| EXMD 635D2 | Experimental/Clinical Oncology.               | 3       |

6 credits from the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

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.

# Biochemistry (Thesis): Chemical Biology (M.Sc.) (45 credits)

**Offered by:** Biochemistry (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The M.Sc. in Biochemistry; Chemical Biology is overseen by the Chemical Biology Thematic Group, and it engages in a diverse range of research topics, which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, biophysical chemistry of living tissues, and new chemistry and physics from biological systems to develop pharmaceutical applications. The thesis must focus on chemical biology related to biochemistry.

## Thesis Courses (33 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| BIOC 695 | Thesis Research 1 (Chemical - Biology). | 6       |
| BIOC 698 | Thesis Research 2.                      | 12      |
| BIOC 699 | Thesis Research 3.                      | 15      |

## Required Course (6 credits)

Expand allContract all

| Course     | Title                                  | Credits |
|------------|----------------------------------------|---------|
| BIOC 610   | Seminars in Chemical Biology 1.        | 1.5     |
| BIOC 611   | Seminars in Chemical Biology 2         | 1.5     |
| BIOC 696D1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696D2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |

<sup>1</sup> Students choose either BIOC 696D1/D2 or BIOC 696N1/N2.

## Complementary Courses (6 credits)

<sup>1</sup> Complementary courses are chosen in consultation with the Research Director.

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEM 502 | Advanced Bio-Organic Chemistry.   | 3       |
| CHEM 503 | Drug Discovery.                   | 3       |
| PHAR 503 | Drug Discovery and Development 1. | 3       |

3 credits from the following:

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| BIOC 600   | Advanced Strategies in Genetics and Genomics. | 3       |
| BIOC 603   | Genomics and Gene Expression.                 | 3       |
| BIOC 604   | Macromolecular Structure.                     | 3       |
| BIOC 605   | Protein Biology and Proteomics.               | 3       |
| BIOC 670   | Biochemistry of Lipoproteins.                 | 3       |
| CHEM 522   | Stereochemistry.                              | 3       |
| CHEM 582   | Supramolecular Chemistry.                     | 3       |
| CHEM 591   | Bioinorganic Chemistry.                       | 3       |
| CHEM 621   | Reaction Mechanisms in Organic Chemistry.     | 3       |
| CHEM 629   | Organic Synthesis.                            | 3       |
| EXMD 510   | Bioanalytical Separation Methods.             | 3       |
| EXMD 602   | Techniques in Molecular Genetics.             | 3       |
| EXMD 615   | Essentials of Glycobiology.                   | 3       |
| EXMD 635D1 | Experimental/Clinical Oncology.               | 3       |
| EXMD 635D2 | Experimental/Clinical Oncology.               | 3       |
| PHAR 504   | Drug Discovery and Development 2.             | 3       |
| PHAR 562   | Neuropharmacology.                            | 3       |
| PHAR 563   | Endocrine Pharmacology.                       | 3       |
| PHAR 707   | Topics in Pharmacology 6.                     | 3       |

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. These additional courses are not counted towards the credits for this program.

## Biochemistry (Ph.D.)

**Offered by:** Biochemistry (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Biochemistry focuses on the chemistry, structure and function of biological molecules through seminars, courses and a major part of work in a research laboratory.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (3 credits)

Expand allContract all

| Course     | Title                                  | Credits |
|------------|----------------------------------------|---------|
| BIOC 696D1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696D2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 701   | Research Seminar 1. <sup>2</sup>       | 0       |
| BIOC 702   | Ph.D. Thesis Proposal. <sup>2</sup>    | 0       |
| BIOC 703   | Ph.D. Seminar. <sup>2</sup>            | 0       |

<sup>1</sup> Students choose either BIOC 696D1/D2 or BIOC 696N1/N2. Students fast-tracking 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.

<sup>2</sup> NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 Research Seminar 1. in the third term after admission to the program, BIOC 702 Ph.D. Thesis Proposal. in the fifth or sixth term, and BIOC 703 Ph.D. Seminar. approximately six months prior to submission of the Ph.D. thesis.

## Complementary Courses <sup>1</sup> (6 credits)

<sup>1</sup> Complementary courses are chosen in consultation with the Research Director.

3-6 credits selected from:

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| BIOC 600   | Advanced Strategies in Genetics and Genomics. | 3       |
| BIOC 603   | Genomics and Gene Expression.                 | 3       |
| BIOC 604   | Macromolecular Structure.                     | 3       |
| BIOC 605   | Protein Biology and Proteomics.               | 3       |
| BIOC 670   | Biochemistry of Lipoproteins.                 | 3       |
| EXMD 615   | Essentials of Glycobiology.                   | 3       |
| EXMD 635D1 | Experimental/Clinical Oncology.               | 3       |
| EXMD 635D2 | Experimental/Clinical Oncology.               | 3       |

0-3 credits, at the 500 level or higher in the biomedical and allied sciences.

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.

## Biochemistry: Bioinformatics (Ph.D.)

**Offered by:** Biochemistry (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Biochemistry; Bioinformatics involves the development of strategies for experimental design, the construction of computer science tools to analyze large datasets, the application of modelling techniques, the integration of biological databases, and the use of algorithms and statistics. Permission of the Graduate Program Director to enroll in this concentration is required to ensure that the proposed research thesis focusses on bioinformatics related to biochemistry.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course     | Title                                  | Credits |
|------------|----------------------------------------|---------|
| BIOC 696D1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696D2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N1 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 696N2 | Seminars in Biochemistry. <sup>1</sup> | 1.5     |
| BIOC 701   | Research Seminar 1. <sup>2</sup>       | 0       |
| BIOC 702   | Ph.D. Thesis Proposal. <sup>2</sup>    | 0       |
| BIOC 703   | Ph.D. Seminar. <sup>2</sup>            | 0       |
| QLSC 601D1 | Quantitative Life Sciences Seminars 1. | 0       |
| QLSC 601D2 | Quantitative Life Sciences Seminars 1. | 0       |

<sup>1</sup> Students choose either BIOC 696D1/D2 or BIOC 696N1/N2. Students fast-tracking 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. Likewise, students fast-tracking from the M.Sc. to the Ph.D. program, and who registered for and passed QLSC 601 at the M.Sc. level, do not register for QLSC 601 at the Ph.D. level.

<sup>2</sup> NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 Research Seminar 1. in the third term after admission to the program, BIOC 702 Ph.D. Thesis Proposal. in the fifth or sixth term, and BIOC 703 Ph.D. Seminar. approximately six months prior to submission of the Ph.D. thesis.

## Complementary Courses (9 credits)

<sup>1</sup> Complementary courses are chosen in consultation with the Research Director.

3 credits from the following:

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| BIOC 600   | Advanced Strategies in Genetics and Genomics. | 3       |
| BIOC 603   | Genomics and Gene Expression.                 | 3       |
| BIOC 604   | Macromolecular Structure.                     | 3       |
| BIOC 605   | Protein Biology and Proteomics.               | 3       |
| BIOC 670   | Biochemistry of Lipoproteins.                 | 3       |
| EXMD 615   | Essentials of Glycobiology.                   | 3       |
| EXMD 635D1 | Experimental/Clinical Oncology.               | 3       |
| EXMD 635D2 | Experimental/Clinical Oncology.               | 3       |

6 credits from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

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.

## Biochemistry: Chemical Biology (Ph.D.)

**Offered by:** Biochemistry (Faculty of Medicine and Health Sciences)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Biochemistry; Chemical Biology is overseen by the Chemical Biology Thematic Group, and it engages in research topics that span structural biology, enzymology, nucleic acid research, signaling pathways, single molecule biophysics, biophysical chemistry of living tissues, and new chemistry and physics from biological systems to develop pharmaceutical applications. The thesis must focus on chemical biology related to biochemistry.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (7 credits)

Expand allContract all

| Course     | Title                           | Credits |
|------------|---------------------------------|---------|
| BIOC 610   | Seminars in Chemical Biology 1. | 1.5     |
| BIOC 611   | Seminars in Chemical Biology 2  | 1.5     |
| BIOC 696D1 | Seminars in Biochemistry.       | 1.5     |
| BIOC 696D2 | Seminars in Biochemistry.       | 1.5     |
| BIOC 696N1 | Seminars in Biochemistry.       | 1.5     |
| BIOC 696N2 | Seminars in Biochemistry.       | 1.5     |
| BIOC 701   | Research Seminar 1.             | 0       |
| BIOC 702   | Ph.D. Thesis Proposal.          | 0       |
| BIOC 703   | Ph.D. Seminar.                  | 0       |

<sup>1</sup> Students choose either BIOC 696D1/D2 or BIOC 696N1/N2. Students fast-tracking 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. Likewise, students fast-tracking from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 610 and 611 at the M.Sc. level, do not register for BIOC 610 and 611 at the Ph.D. level.

<sup>2</sup> NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 Research Seminar 1. in the third term after admission to the program, BIOC 702 Ph.D. Thesis Proposal. in the fifth or sixth term, and BIOC 703 Ph.D. Seminar. approximately six months prior to submission of the Ph.D. thesis.

## Complementary Courses (9 credits)

<sup>1</sup> Complementary courses are chosen in consultation with the Research Director.

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEM 502 | Advanced Bio-Organic Chemistry.   | 3       |
| CHEM 503 | Drug Discovery.                   | 3       |
| PHAR 503 | Drug Discovery and Development 1. | 3       |

3 credits from the following:

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| BIOC 600 | Advanced Strategies in Genetics and Genomics. | 3       |
| BIOC 603 | Genomics and Gene Expression.                 | 3       |
| BIOC 604 | Macromolecular Structure.                     | 3       |
| BIOC 605 | Protein Biology and Proteomics.               | 3       |
| BIOC 670 | Biochemistry of Lipoproteins.                 | 3       |
| EXMD 615 | Essentials of Glycobiology.                   | 3       |

|            |                                 |   |
|------------|---------------------------------|---|
| EXMD 635D1 | Experimental/Clinical Oncology. | 3 |
| EXMD 635D2 | Experimental/Clinical Oncology. | 3 |

Plus additional credits to a total of at least 9 complementary course credits from the following list:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| CHEM 522 | Stereochemistry.                          | 3       |
| CHEM 582 | Supramolecular Chemistry.                 | 3       |
| CHEM 591 | Bioinorganic Chemistry.                   | 3       |
| CHEM 621 | Reaction Mechanisms in Organic Chemistry. | 3       |
| CHEM 629 | Organic Synthesis.                        | 3       |
| EXMD 510 | Bioanalytical Separation Methods.         | 3       |
| EXMD 602 | Techniques in Molecular Genetics.         | 3       |
| PHAR 504 | Drug Discovery and Development 2.         | 3       |
| PHAR 562 | Neuropharmacology.                        | 3       |
| PHAR 563 | Endocrine Pharmacology.                   | 3       |
| PHAR 707 | Topics in Pharmacology 6.                 | 3       |

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.

## Translational Biomedical Engineering (Non-Thesis) (M.Sc.A.) (45 credits)

**Offered by:** Biomedical Engineering (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

The M.Sc.(Applied) in Translational Biomedical Engineering; Non-Thesis is a full-time specialized 13- to 16-month professional program in translation biomedical engineering. This is an intensive program that focusses on the biomedical engineering industry through a comprehensive curriculum covering essential skills and knowledge needed to translate biomedical engineering research into clinical and commercial solutions.

The program consists of three main components that are unique to the translational process in biomedical engineering, including: 1) translational courses on intellectual property, regulatory affairs, quality management systems, clinical trials and reimbursement; 2) fundamental science courses in biomedical engineering; and 3) an experiential component, comprising of a closely supervised 4-month internship in the biomedical engineering industry.

None of the courses taken in the Graduate Certificate in Translational Biomedical Engineering can be credited towards the M.Sc.(Applied) once the Graduate Certificate has been awarded.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| BMDE 653 | Patents in Biomedical Engineering.               | 3       |
| BMDE 654 | Biomedical Regulatory Affairs - Medical Devices. | 3       |
| BMDE 655 | Biomedical Clinical Trials - Medical Devices.    | 3       |
| BMDE 656 | Medical Device Development Process.              | 3       |
| BMDE 657 | Biomedical Engineering Industry Internship.      | 18      |

## Complementary Courses (15 credits)

15 credits to be chosen listed from courses below, or other relevant 500-, 600- or 700-level courses chosen in consultation and with approval of the Program Director and the concerned offering unit/department.

### General Biomedical Engineering

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| BMDE 501 | Selected Topics in Biomedical Engineering. | 3       |

### Biomedical Signals and Systems

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| BMDE 502 | BME Modelling and Identification.                   | 3       |
| BMDE 503 | Biomedical Instrumentation.                         | 3       |
| BMDE 512 | Finite-Element Modelling in Biomedical Engineering. | 3       |
| BMDE 519 | Biomedical Signals and Systems.                     | 3       |

### Medical Imaging

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| BMDE 610 | Functional Neuroimaging Fusion.                    | 3       |
| BMDE 650 | Advanced Medical Imaging.                          | 3       |
| BMDE 660 | Advanced MR Imaging and Spectroscopy of the Brain. | 3       |
| MDPH 607 | Medical Imaging.                                   | 3       |

### Biomaterials and Tissue Engineering

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| BMDE 503 | Biomedical Instrumentation.                    | 3       |
| BMDE 508 | Introduction to Micro and Nano-Bioengineering. | 3       |

### Rehab Engineering

Expand allContract all

| Course     | Title                                                    | Credits |
|------------|----------------------------------------------------------|---------|
| BMDE 525D1 | Design of Assistive Technologies: Principles and Praxis. | 3       |

|            |                                                          |   |
|------------|----------------------------------------------------------|---|
| BMDE 525D2 | Design of Assistive Technologies: Principles and Praxis. | 3 |
|------------|----------------------------------------------------------|---|

## Translational Biomedical Engineering (Gr. Cert.) (15 credits)

**Offered by:** Biomedical Engineering (Faculty of Medicine and Health Sciences)

**Program credit weight:** 15

## Program Description

This program comprises mandatory courses dealing with topics that are unique to the translational process in the biomedical engineering environment. Topics covered include: managing intellectual property; patents and the patenting process; regulatory affairs; medical standards; quality management systems; and clinical trials. Complementary courses provide students with advanced training in a specialized area of biomedical engineering selected from the areas where Departmental staff have significant expertise.

In cases where students have taken one or more of the core courses as part of another program, these core courses will be replaced with the equivalent number of credits, at the 500 level or higher, by other appropriate courses selected in consultation with the Program Director.

## Required Courses (9 credits)

Three courses dealing with issues related specifically to the translation of biomedical engineering advances to clinical and commercial environments:

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| BMDE 653 | Patents in Biomedical Engineering.               | 3       |
| BMDE 654 | Biomedical Regulatory Affairs - Medical Devices. | 3       |
| BMDE 655 | Biomedical Clinical Trials - Medical Devices.    | 3       |

## Complementary Courses (6 credits)

Students must complete 6 credits of biomedical engineering course work selected from one or more of the following domains or other appropriate courses at the 500 level or higher approved by the Program Director:

### General Biomedical Engineering

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| BMDE 501 | Selected Topics in Biomedical Engineering. | 3       |

### Biomedical Signals and Systems

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| BMDE 502 | BME Modelling and Identification. | 3       |
| BMDE 503 | Biomedical Instrumentation.       | 3       |



|          |                                                     |   |
|----------|-----------------------------------------------------|---|
| BMDE 512 | Finite-Element Modelling in Biomedical Engineering. | 3 |
| BMDE 519 | Biomedical Signals and Systems.                     | 3 |

## Medical Imaging

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| BIEN 530 | Imaging and Bioanalytical Instrumentation. | 3       |
| BMDE 610 | Functional Neuroimaging Fusion.            | 3       |
| BMDE 650 | Advanced Medical Imaging.                  | 3       |
| MDPH 607 | Medical Imaging.                           | 3       |

## Biomaterials and Tissue Engineering

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIEN 510 | Engineered Nanomaterials for Biomedical Applications. | 3       |
| BMDE 504 | Biomaterials and Bioperformance.                      | 3       |
| BMDE 505 | Cell and Tissue Engineering.                          | 3       |

## Biosensors and Devices

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| BIEN 550 | Biomolecular Devices.                          | 3       |
| BIEN 560 | Design of Biosensors.                          | 3       |
| BMDE 503 | Biomedical Instrumentation.                    | 3       |
| BMDE 508 | Introduction to Micro and Nano-Bioengineering. | 3       |

## Translational Biomedical Engineering

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| BMDE 656 | Medical Device Development Process. | 3       |

## Human Genetics (Thesis) (M.Sc.) (45 credits)

**Offered by:** Human Genetics (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Human Genetics is a research-intensive program that focuses on genetics and biomedical research, involving research methodology, conducting an original research project for intended scientific publication, data analysis, and writing a thesis.

## Thesis Courses (33 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| HGEN 680 | M.Sc. Thesis Research 1. | 9       |
| HGEN 681 | M.Sc. Thesis Research 2. | 12      |
| HGEN 682 | M.Sc. Thesis Research 3. | 12      |

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| HGEN 662 | Laboratory Research Techniques. | 3       |
| HGEN 692 | Human Genetics.                 | 3       |

## 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:

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| HGEN 660 | Genetics and Bioethics.          | 3       |
| HGEN 661 | Population Genetics.             | 3       |
| HGEN 663 | Beyond the Human Genome.         | 3       |
| HGEN 670 | Advances in Human Genetics 1.    | 3       |
| HGEN 693 | Using Bioinformatics Resources.  | 3       |
| HGEN 696 | Advanced Readings in Genetics 1. | 3       |
| HGEN 697 | Advanced Readings in Genetics 2. | 3       |
| HGEN 698 | Advanced Readings in Genetics 3. | 3       |
| HGEN 699 | Advanced Readings in Genetics 4. | 3       |

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

## Human Genetics (Thesis): Bioinformatics (M.Sc.) (45 credits)

**Offered by:** Human Genetics (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

\*\*This program is currently not offered.\*\*

The M.Sc. in Human Genetics; Bioethics is a graduate thesis program that focuses on the fundamental questions about life and the interventions by healthcare in research, policy, and practice. The program promotes modern research methodologies, and the knowledge and techniques needed to apply a bioethical analysis to the base discipline of human genetics.

## Thesis Courses (33 credits)

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| HGEN 680 | M.Sc. Thesis Research 1. | 9       |
| HGEN 681 | M.Sc. Thesis Research 2. | 12      |
| HGEN 682 | M.Sc. Thesis Research 3. | 12      |

## Required Courses (6 credits)

Expand allContract all

| Course     | Title                   | Credits |
|------------|-------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar. | 1.5     |
| COMP 616D2 | Bioinformatics Seminar. | 1.5     |
| HGEN 692   | Human Genetics.         | 3       |

## Complementary Courses (6 credits)

6 credits from the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

## Human Genetics (Thesis): Bioethics (M.Sc.) (45 credits)

**Offered by:** Human Genetics (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science  
**Program credit weight:** 45

### Program Description

The M.Sc. in Human Genetics; Bioethics is a graduate thesis program that focuses on the fundamental questions about life and the interventions by healthcare in research, policy, and practice. The program promotes modern research methodologies, and the knowledge and techniques needed to apply a bioethical analysis to the base discipline of human genetics.

## Thesis Courses (30 credits)

30 credits selected as follows:

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| HGEN 681 | M.Sc. Thesis Research 2. | 12      |
| HGEN 682 | M.Sc. Thesis Research 3. | 12      |
| HGEN 683 | M.Sc. Thesis Research 4. | 6       |

## Required Courses (12 credits)

12 credits from:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| BIOE 680 | Bioethical Theory.              | 3       |
| BIOE 681 | Bioethics Practicum.            | 3       |
| HGEN 662 | Laboratory Research Techniques. | 3       |
| HGEN 692 | Human Genetics.                 | 3       |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| CMPL 642 | Law and Health Care.           | 3       |
| PHIL 643 | Seminar: Medical Ethics.       | 3       |
| RELG 571 | Ethics, Medicine and Religion. | 3       |

## Genetic Counselling (Non-Thesis) (M.Sc.) (48 credits)

**Offered by:** Human Genetics (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science  
**Program credit weight:** 48

### Program Description

The M.Sc. in Genetic Counselling; Non-Thesis is a full-time professional program that focuses on the contemporary practice of genetic counselling and adapts to future developments in the dynamic field of medical genetics and genomics.

## Required Courses (48 credits)

Expand allContract all

| Course     | Title                                     | Credits |
|------------|-------------------------------------------|---------|
| HGEN 600D1 | Genetic Counselling Practicum.            | 3       |
| HGEN 600D2 | Genetic Counselling Practicum.            | 3       |
| HGEN 601   | Genetic Counselling Principles.           | 3       |
| HGEN 610D1 | Genetic Counselling: Independent Studies. | 3       |
| HGEN 610D2 | Genetic Counselling: Independent Studies. | 3       |
| HGEN 617   | Principles of Medical Genetics.           | 3       |
| HGEN 620   | Introductory Field Work Rotations 1.      | 3       |
| HGEN 621   | Introductory Field Work Rotations 2.      | 6       |
| HGEN 630D1 | Advanced Field Work Rotations.            | 6       |
| HGEN 630D2 | Advanced Field Work Rotations.            | 6       |
| HGEN 640   | Second Year Practicum 1.                  | 3       |
| HGEN 641   | Second Year Practicum 2.                  | 3       |

|          |                                      |   |
|----------|--------------------------------------|---|
| IPEA 503 | Managing Interprofessional Conflict. | 0 |
| PATH 653 | Reading and Conference.              | 3 |

|          |                                  |   |
|----------|----------------------------------|---|
| HGEN 698 | Advanced Readings in Genetics 3. | 3 |
| HGEN 699 | Advanced Readings in Genetics 4. | 3 |

## Human Genetics (Ph.D.)

**Offered by:** Human Genetics (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

### Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (3 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| HGEN 692 | Human Genetics.                  | 3       |
| HGEN 701 | Ph.D. Comprehensive Examination. | 0       |

### 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.

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| HGEN 660 | Genetics and Bioethics.          | 3       |
| HGEN 661 | Population Genetics.             | 3       |
| HGEN 663 | Beyond the Human Genome.         | 3       |
| HGEN 693 | Using Bioinformatics Resources.  | 3       |
| HGEN 696 | Advanced Readings in Genetics 1. | 3       |
| HGEN 697 | Advanced Readings in Genetics 2. | 3       |

Students are restricted to taking the following course.

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| HGEN 670 | Advances in Human Genetics 1. | 3       |

Note: The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate.

## Human Genetics: Bioinformatics (Ph.D.)

**Offered by:** Human Genetics (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

### Program Description

\*\* This program is currently not offered. \*\*

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (6 credits)

Expand allContract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar.          | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.          | 1.5     |
| HGEN 692   | Human Genetics.                  | 3       |
| HGEN 701   | Ph.D. Comprehensive Examination. | 0       |

### Complementary Courses (6 credits)

Two courses from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

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.

# Microbiology and Immunology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Microbiology & Immunology (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Thesis Courses (33 credits)

| Expand allContract all |                      |         |
|------------------------|----------------------|---------|
| Course                 | Title                | Credits |
| MIMM 697               | Master's Research 1. | 11      |
| MIMM 698               | Master's Research 2. | 11      |
| MIMM 699               | Master's Research 3. | 11      |

## Required Courses (6 credits)

| Expand allContract all |                      |         |
|------------------------|----------------------|---------|
| Course                 | Title                | Credits |
| MIMM 611               | Graduate Seminars 1. | 3       |
| MIMM 612               | Graduate Seminars 2. | 3       |

## Complementary Courses (6 credits)

Minimum 6 credits from:

| Expand allContract all |                                                |         |
|------------------------|------------------------------------------------|---------|
| Course                 | Title                                          | Credits |
| MIMM 607               | Biochemical Pathology.                         | 3       |
| MIMM 616               | Reading and Conference 1.                      | 3       |
| MIMM 617               | Reading and Conference 2.                      | 3       |
| MIMM 619               | Reading and Conference 4.                      | 3       |
| NEUR 502               | Basic and Clinical Aspects of Neuroimmunology. | 3       |

<sup>1</sup> Not offered in every academic year.

Any life sciences-related 500-level or above course (3 credits).  
Department approval is required.

# Microbiology and Immunology (Ph.D.)

**Offered by:** Microbiology & Immunology (Faculty of Medicine and Health Sciences)  
**Degree:** Doctor of Philosophy

## Program Description

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.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

| Expand allContract all |                                            |         |
|------------------------|--------------------------------------------|---------|
| Course                 | Title                                      | Credits |
| MIMM 611               | Graduate Seminars 1.                       | 3       |
| MIMM 612               | Graduate Seminars 2.                       | 3       |
| MIMM 701               | Comprehensive Examination-Ph.D. Candidate. | 0       |
| MIMM 713               | Graduate Seminars 3.                       | 3       |

## Complementary Courses (9 credits)

9 credits from the following:

| Expand allContract all |                           |         |
|------------------------|---------------------------|---------|
| Course                 | Title                     | Credits |
| MIMM 616               | Reading and Conference 1. | 3       |
| MIMM 617               | Reading and Conference 2. | 3       |
| MIMM 619               | Reading and Conference 4. | 3       |

OR

Any life sciences-related courses at the 500 level or higher.  
Departmental approval is required.

# Pharmacology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Pharmacology and Therapeutics (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The M.Sc. in Pharmacology focuses on research methodology, conducting a research project, analyzing data, and writing a thesis. It involves training in research professionalism, scientific communication, and statistics, critically analyzing scientific literature, and developing and conducting an original research project for scientific publication.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| PHAR 696 | Thesis Preparation.   | 3       |
| PHAR 697 | Thesis Preparation 1. | 6       |
| PHAR 698 | Thesis Preparation 2. | 9       |
| PHAR 699 | Thesis Preparation 3. | 12      |

## Required Courses (15 credits)

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| PHAR 601N1 | Research Seminar.                             | 3       |
| PHAR 601N2 | Research Seminar.                             | 3       |
| PHAR 602   | Principles of Pharmacology.                   | 3       |
| PHAR 609   | Research Professionalism for Pharmacologists. | 1       |
| PHAR 610   | Scientific Communication for Pharmacologists. | 2       |
| PHAR 712   | Statistics for Pharmacologists.               | 3       |

## Pharmacology (Thesis): Environmental Health Sciences (M.Sc.) (45 credits)

**Offered by:** Pharmacology and Therapeutics (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The M.Sc. in Pharmacology; Environmental Health Sciences program is designed to train professionals for advanced basic research, teaching, and leadership positions in environmental health sciences. The Option will add a distinct focus on the interplay between the environment and health research, including a broad environmental perspective, exposure sciences, hazard screening methodologies, epidemiological approaches, health implications of environmental quality, and policy approaches.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| PHAR 696 | Thesis Preparation.   | 3       |
| PHAR 698 | Thesis Preparation 2. | 9       |
| PHAR 699 | Thesis Preparation 3. | 12      |

## Required Courses (21 credits)

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| PHAR 601N1 | Research Seminar.                             | 3       |
| PHAR 601N2 | Research Seminar.                             | 3       |
| PHAR 602   | Principles of Pharmacology.                   | 3       |
| PHAR 609   | Research Professionalism for Pharmacologists. | 1       |

|          |                                                |   |
|----------|------------------------------------------------|---|
| PHAR 610 | Scientific Communication for Pharmacologists.  | 2 |
| PHAR 670 | Principles of Environmental Health Sciences 1. | 3 |
| PHAR 671 | Principles of Environmental Health Sciences 2. | 3 |
| PHAR 712 | Statistics for Pharmacologists.                | 3 |

## Pharmacology (Ph.D.)

**Offered by:** Pharmacology and Therapeutics (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in Pharmacology focuses on research methodology, conducting a research project, analyzing data, and writing a thesis. It involves training in research professionalism, scientific communication, and statistics, critically analyzing scientific literature, and developing and conducting an original research project for scientific publication.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| PHAR 602 | Principles of Pharmacology.                   | 3       |
| PHAR 609 | Research Professionalism for Pharmacologists. | 1       |
| PHAR 610 | Scientific Communication for Pharmacologists. | 2       |
| PHAR 701 | Ph.D. Comprehensive Exam.                     | 0       |
| PHAR 712 | Statistics for Pharmacologists.               | 3       |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| PHAR 702 | Topics in Pharmacology 1. | 3       |
| PHAR 703 | Topics in Pharmacology 2. | 3       |
| PHAR 704 | Topics in Pharmacology 3. | 3       |
| PHAR 705 | Topics in Pharmacology 4. | 3       |
| PHAR 706 | Topics in Pharmacology 5. | 3       |
| PHAR 707 | Topics in Pharmacology 6. | 3       |



or the equivalent, upon approval by the Graduate Training Committee (GTC.)

# Pharmacology: Environmental Health Sciences (Ph.D.)

**Offered by:** Pharmacology and Therapeutics (Faculty of Medicine and Health Sciences)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Pharmacology; Environmental Health Sciences program is designed to train professionals for advanced basic research, teaching, and leadership positions in environmental health sciences. The Option will add a distinct focus on the interplay between the environment and health research, including a broad environmental perspective, exposure sciences, hazard screening methodologies, epidemiological approaches, health implications of environmental quality, and policy approaches.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| PHAR 602 | Principles of Pharmacology.                    | 3       |
| PHAR 609 | Research Professionalism for Pharmacologists.  | 1       |
| PHAR 610 | Scientific Communication for Pharmacologists.  | 2       |
| PHAR 670 | Principles of Environmental Health Sciences 1. | 3       |
| PHAR 671 | Principles of Environmental Health Sciences 2. | 3       |
| PHAR 701 | Ph.D. Comprehensive Exam.                      | 0       |
| PHAR 712 | Statistics for Pharmacologists.                | 3       |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| PHAR 702 | Topics in Pharmacology 1. | 3       |
| PHAR 703 | Topics in Pharmacology 2. | 3       |
| PHAR 704 | Topics in Pharmacology 3. | 3       |
| PHAR 705 | Topics in Pharmacology 4. | 3       |

|          |                           |   |
|----------|---------------------------|---|
| PHAR 706 | Topics in Pharmacology 5. | 3 |
| PHAR 707 | Topics in Pharmacology 6. | 3 |

or the equivalent, upon approval by the Graduate Training Committee (GTC.)

# Biomedical Science Translational Research (Gr. Cert.) (15 credits)

**Offered by:** Pharmacology and Therapeutics (Faculty of Medicine and Health Sciences)  
**Program credit weight:** 15

## Program Description

The Graduate Certificate in Biomedical Science Translational Research is an introduction to relevant clinical aspects of translating scientific discovery as a means of bridging the gap between research and application in clinical settings, while promoting future collaboration among scientists, clinicians and clinician-scientists while promoting future collaboration. The program includes clinical mentorship.

## Required Courses (12 credits)

Expand allContract all

| Course     | Title                                 | Credits |
|------------|---------------------------------------|---------|
| FMED 525   | Foundations of Translational Science. | 3       |
| PHAR 522D1 | Fundamentals of Disease Therapy.      | 3       |
| PHAR 522D2 | Fundamentals of Disease Therapy.      | 3       |
| PHAR 524   | Clinical Mentorship.                  | 3       |

## Complementary Courses (3 credits)

3 credits from:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BMDE 655 | Biomedical Clinical Trials - Medical Devices.         | 3       |
| EPIB 507 | Biostats for Health Sciences.                         | 3       |
| EXMD 617 | Workshop in Clinical Trials 1.                        | 1       |
| EXMD 618 | Workshop in Clinical Trials 2.                        | 1       |
| EXMD 619 | Workshop in Clinical Trials 3.                        | 1       |
| EXMD 620 | Clinical Trials and Research 1.                       | 1       |
| EXMD 633 | Clinical Aspects of Research in Respiratory Diseases. | 3       |
| EXMD 640 | Experimental Medicine Topic 1.                        | 3       |
| PHAR 508 | Drug Discovery and Development 3.                     | 3       |
| PPHS 529 | Global Environmental Health and Burden of Disease.    | 3       |

## Physiology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Physiology (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Thesis Courses (27 credits)

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| PHGY 621 | Thesis 1.            | 12      |
| PHGY 622 | Thesis 2.            | 12      |
| PHGY 623 | M.Sc. Final Seminar. | 3       |

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| PHGY 601 | M.Sc. Proposal Seminar.                  | 1       |
| PHGY 602 | Literature Search and Research Proposal. | 2       |
| PHGY 604 | Responsible Conduct in Research.         | 0       |
| PHGY 607 | Laboratory Research 1.                   | 3       |
| PHGY 608 | Laboratory Research 2.                   | 3       |
| PHGY 620 | Progress in Research.                    | 3       |

### Elective Courses (6 credits)

Students must select 6 approved credits in Physiology or Science at the 500 level or above.

## Physiology (Thesis): Bioinformatics (M.Sc.) (45 credits)

**Offered by:** Physiology (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

\*\* This program is currently not offered. \*\*

### Thesis Courses (27 credits)

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| PHGY 621 | Thesis 1.            | 12      |
| PHGY 622 | Thesis 2.            | 12      |
| PHGY 623 | M.Sc. Final Seminar. | 3       |

### Required Courses (12 credits)

Expand allContract all

| Course     | Title                   | Credits |
|------------|-------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar. | 1.5     |
| COMP 616D2 | Bioinformatics Seminar. | 1.5     |

|          |                                          |   |
|----------|------------------------------------------|---|
| PHGY 601 | M.Sc. Proposal Seminar.                  | 1 |
| PHGY 602 | Literature Search and Research Proposal. | 2 |
| PHGY 604 | Responsible Conduct in Research.         | 0 |
| PHGY 607 | Laboratory Research 1.                   | 3 |
| PHGY 608 | Laboratory Research 2.                   | 3 |

### Complementary Courses (6 credits)

6 credits to be chosen from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |

## Physiology (Thesis): Chemical Biology (M.Sc.) (45 credits)

**Offered by:** Physiology (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

\*\* This program is currently not offered. \*\*

The Graduate Option in Chemical Biology is centered on the pursuit of an original research project under the direction of one or more program mentors. This research training is augmented by student participation in lecture and seminar courses and in a series of thematic workshops, all of which are designed to expose students to the diverse approaches and research issues that characterize the current state of the field. Students with training in this interdisciplinary approach will be highly qualified to seek careers in academic research as well as the pharmaceutical and biotechnology industries.

### Thesis Courses (27 credits)

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| PHGY 621 | Thesis 1.            | 12      |
| PHGY 622 | Thesis 2.            | 12      |
| PHGY 623 | M.Sc. Final Seminar. | 3       |

### Required Courses (15 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| BIOC 610 | Seminars in Chemical Biology 1.          | 1.5     |
| BIOC 611 | Seminars in Chemical Biology 2           | 1.5     |
| PHGY 601 | M.Sc. Proposal Seminar.                  | 1       |
| PHGY 602 | Literature Search and Research Proposal. | 2       |
| PHGY 604 | Responsible Conduct in Research.         | 0       |
| PHGY 607 | Laboratory Research 1.                   | 3       |

|          |                        |   |
|----------|------------------------|---|
| PHGY 608 | Laboratory Research 2. | 3 |
| PHGY 620 | Progress in Research.  | 3 |

3 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEM 502 | Advanced Bio-Organic Chemistry.   | 3       |
| CHEM 503 | Drug Discovery.                   | 3       |
| PHAR 503 | Drug Discovery and Development 1. | 3       |

## Physiology (Ph.D.)

**Offered by:** Physiology (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

### Program Description

#### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (8 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| PHGY 604 | Responsible Conduct in Research. | 0       |
| PHGY 701 | Ph.D. Comprehensive Examination. | 0       |
| PHGY 703 | Ph.D. Progress Seminar 1.        | 1       |
| PHGY 704 | Ph.D. Progress Seminar 2.        | 1       |
| PHGY 720 | Ph.D. Seminar Course 1.          | 1       |
| PHGY 721 | Ph.D. Seminar Course 2.          | 1       |
| PHGY 722 | Ph.D. Seminar Course 3.          | 1       |
| PHGY 723 | Ph.D. Seminar Course 4.          | 1       |
| PHGY 724 | Ph.D. Seminar Course 5.          | 1       |
| PHGY 725 | Ph.D. Seminar Course 6.          | 1       |

### Elective Courses (9 credits)

9 credits of Physiology or Science at the 500 level or above, in consultation with the GSAAC and the candidate's supervisor.

## Physiology: Bioinformatics (Ph.D.)

**Offered by:** Physiology (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

\*\* This program is currently not offered. \*\*

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (11 credits)

Expand allContract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar.          | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.          | 1.5     |
| PHGY 604   | Responsible Conduct in Research. | 0       |
| PHGY 701   | Ph.D. Comprehensive Examination. | 0       |
| PHGY 703   | Ph.D. Progress Seminar 1.        | 1       |
| PHGY 704   | Ph.D. Progress Seminar 2.        | 1       |
| PHGY 720   | Ph.D. Seminar Course 1.          | 1       |
| PHGY 721   | Ph.D. Seminar Course 2.          | 1       |
| PHGY 722   | Ph.D. Seminar Course 3.          | 1       |
| PHGY 723   | Ph.D. Seminar Course 4.          | 1       |
| PHGY 724   | Ph.D. Seminar Course 5.          | 1       |
| PHGY 725   | Ph.D. Seminar Course 6.          | 1       |

### Complementary Courses (6 credits)

6 credits to be chosen from the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |

## Physiology: Chemical Biology (Ph.D.)

**Offered by:** Physiology (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

### Program Description

\*\* This program is currently not offered. \*\*

The Graduate Option in Chemical Biology is centered on the pursuit of an original research project under the direction of one or more program mentors. This research training is augmented by student

participation in lecture and seminar courses and in a series of thematic workshops, all of which are designed to expose students to the diverse approaches and research issues that characterize the current state of the field. Students with training in this interdisciplinary approach will be highly qualified to seek careers in academic research as well as the pharmaceutical and biotechnology industries.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (10 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| BIOC 610 | Seminars in Chemical Biology 1.  | 1.5     |
| BIOC 611 | Seminars in Chemical Biology 2   | 1.5     |
| PHGY 604 | Responsible Conduct in Research. | 0       |
| PHGY 701 | Ph.D. Comprehensive Examination. | 0       |
| PHGY 703 | Ph.D. Progress Seminar 1.        | 1       |
| PHGY 704 | Ph.D. Progress Seminar 2.        | 1       |
| PHGY 720 | Ph.D. Seminar Course 1.          | 1       |
| PHGY 721 | Ph.D. Seminar Course 2.          | 1       |
| PHGY 722 | Ph.D. Seminar Course 3.          | 1       |
| PHGY 723 | Ph.D. Seminar Course 4.          | 1       |
| PHGY 724 | Ph.D. Seminar Course 5.          | 1       |

## Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| CHEM 502 | Advanced Bio-Organic Chemistry.   | 3       |
| CHEM 503 | Drug Discovery.                   | 3       |
| PHAR 503 | Drug Discovery and Development 1. | 3       |

# Communication Sciences and Disorders

## 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.

Our applied and research degrees may lead to employment in healthcare or educational facilities, academic settings, or private industry.

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 at McGill, including:

- psychology
- linguistics
- neuroscience
- otolaryngology
- biomedical engineering
- Montreal Neurological Institute and Hospital
- other Montreal universities

They also maintain national and international collaborations. Students can access this rich collaborative network via the McGill Centre for Research on Brain, Language and Music, a world-class interdisciplinary research centre established 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
- 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 practice as speech-language pathologists within their borders comply with special provincial or state licensing regulations. Graduates wishing to practice 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 at:

630 Sherbrooke St. W., bureau 800  
Montreal QC H3A 1E4  
Telephone: 514-282-9123  
Email: [info@ooaq.qc.ca](mailto:info@ooaq.qc.ca)  
Website: [www.ooaq.qc.ca](http://www.ooaq.qc.ca)

Quebec law requires that candidates seeking licensure in provincially recognized professions demonstrate exceptional verbal and written knowledge of the French language. Please refer to Language Requirements for Professions.

## Funding

IODE Canada funds a "Silence to Sound" award for studies in hearing impairment. These in-course awards are based on academic merit, Canadian citizenship, financial need, and potential for excellence, and are awarded by the School with approval of funds by IODE Canada.

**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.

## Communication Sciences and Disorders Admission Requirements and Applications Procedures

### Admission Requirements

McGill University Graduate and Postdoctoral Studies requires that applicants to graduate programs hold an undergraduate degree with a minimum B average (3.0 on a 4.0 point scale) or better. However, as admission is highly competitive the mean GPA of admitted students is generally much higher. Please note that incomplete or late applications will not be considered.

### English Language Requirement for Non-Canadian Students

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 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. (Applied)

An applicant must hold an undergraduate degree in any discipline. The program is highly competitive and we have space for fewer than 10% of applicants; the mean cumulative undergraduate GPA for admitted students falls at around 3.8 on a 4.0 scale. There are 21 credits of prerequisite coursework, including 3 credits in statistics, and a total of 18 credits across the disciplines of linguistics and psychology or related areas (with a minimum of 6 credits each in linguistics and psychology). Please refer to [mcgill.ca/scsd/programs/slp/how-apply/prerequisite-courses](http://mcgill.ca/scsd/programs/slp/how-apply/prerequisite-courses) for important details on the nature of these prerequisites.



## M.Sc. in Communication Sciences and Disorders

The M.Sc. provides research training for:

- students who are also taking courses for professional qualification;
- students who have a non-thesis professional degree in Communication Sciences and Disorders; and
- 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 a 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 that includes required coursework and a research project. All applications received by the application deadlines 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.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See Application Procedures (p. 53) for detailed application procedures.

Please see the School of Communication Sciences and Disorders website for required application materials.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

### M.Sc. (Applied)

Casper Online Test

- 21 credits prerequisite coursework, provide details via the online application management system, as specified
- Brief personal statement
- Curriculum vitae
- Two reference letters (one professional and one academic)

### M.Sc. (Thesis) and Ph.D.

- Personal statement
- Curriculum vitae
- Writing sample
- Acceptance by a research supervisor
- Two reference letters (academic)

If available, applicants are encouraged to submit reports of their performance on the Graduate Record Examination (GRE).

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Communication

Sciences and Disorders and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

## Available Programs

- Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (M.Sc.A.) (82 credits) (p. 412)
- Communication Sciences and Disorders (Ph.D.) (p. 413)
- Communication Sciences and Disorders (Thesis) (M.Sc.) (45 credits) (p. 412)
- Communication Sciences and Disorders: Language Acquisition (Ph.D.) (p. 414)

## Program Overview

### Master of Science, Applied (M.Sc.A.) Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology

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, language, and swallowing disorders. At present, most speech-language pathologists in Canada work in hospitals, public school systems, rehabilitation centres, special education facilities, and in private practice nursing homes and extended care facilities.

Students pursuing the M.Sc.A. complete the basic academic content and clinical practica required in preparation for clinical practice as outlined by Speech-Language and Audiology Canada (SAC). Our M.Sc.A. program is completed in two years. 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 a strong foundation in theory to address challenging clinical issues. Our M.Sc.A. graduates typically pursue professional careers 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.

### Master of Science (M.Sc.) Communication Sciences and Disorders (Thesis)

Selected candidates may be accepted into the M.Sc. research degree program. Each student's Advisory Committee designs 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 for 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, some working in clinical settings (if they also have a clinical degree) or settings that combine clinical and research activities, and others continuing their research training at the doctoral level.

### Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders

Selected candidates may be accepted into the Ph.D. research degree program. Each student's Advisory Committee designs 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 must complete a Qualifying 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.

## Location

School of Communication Sciences and Disorders  
2001 McGill College Ave., Suite 800  
Montréal, QC H3A 1G1

Telephone: 514-398-4137  
Fax: 514-398-8123  
Email: [scsd@mcgill.ca](mailto:scsd@mcgill.ca)  
Website: [mcgill.ca/scsd](http://mcgill.ca/scsd)

## Communication Sciences and Disorders (Thesis) (M.Sc.) (45 credits)

**Offered by:** Commun Sciences & Disorders (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science  
**Program credit weight:** 45

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| SCSD 671 | M.Sc. Thesis 1. | 12      |
| SCSD 672 | M.Sc. Thesis 2. | 12      |

## Complementary Courses (21 credits)

6-21 credits chosen from:

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| SCSD 675 | Special Topics 1. | 12      |
| SCSD 676 | Special Topics 2. | 9       |
| SCSD 677 | Special Topics 3. | 6       |
| SCSD 678 | Special Topics 4. | 3       |

0-15 credits chosen from:

Expand allContract all

| Course   | Title           | Credits |
|----------|-----------------|---------|
| SCSD 673 | M.Sc. Thesis 3. | 12      |
| SCSD 674 | M.Sc. Thesis 4. | 3       |

or courses in other departments, as arranged with the student's thesis supervisor.

## Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (M.Sc.A.) (82 credits)

**Offered by:** Commun Sciences & Disorders (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science Applied  
**Program credit weight:** 82

## Program Description

The M.Sc.(A.) in Communication Sciences and Disorders; Non-Thesis - Speech-Language Pathology focuses on training students to enter the field of Speech-Language Pathology using a curriculum guided by a competency-based framework, including academic and supervised clinical practicum components. This professional program is accredited by The Council for Accreditation of Canadian University Programs in Audiology and Speech-Language Pathology.

## Required Courses (82 credits)

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| IPEA 500 | Roles in Interprofessional Teams.         | 0       |
| IPEA 501 | Communication in Interprofessional Teams. | 0       |

|            |                                                         |     |
|------------|---------------------------------------------------------|-----|
| IPEA 502   | Partnership in Interprofessional Teams                  | 0   |
| SCSD 609   | Neuromotor Disorders.                                   | 3   |
| SCSD 611D1 | Essential Competencies for Speech-Language Pathology 1. | 0.5 |
| SCSD 611D2 | Essential Competencies for Speech-Language Pathology 1. | 0.5 |
| SCSD 612D1 | Essential Competencies for Speech-Language Pathology 2. | 0.5 |
| SCSD 612D2 | Essential Competencies for Speech-Language Pathology 2. | 0.5 |
| SCSD 613   | Counselling in Speech-Language Pathology.               | 1   |
| SCSD 614   | Literacy Across the Lifespan.                           | 3   |
| SCSD 616   | Foundations of Audiology.                               | 3   |
| SCSD 617   | Anatomy and Physiology for Speech-Language Pathology.   | 1   |
| SCSD 619   | Phonological Development.                               | 3   |
| SCSD 624   | Language Development and Processes.                     | 3   |
| SCSD 625   | ASD and Neurodevelopmental Disorders 2.                 | 2   |
| SCSD 626   | Aural Rehabilitation 2.                                 | 2   |
| SCSD 627   | Practicum and Seminar 3A.                               | 3   |
| SCSD 628   | Practicum and Seminar 4A.                               | 3   |
| SCSD 629   | Augmentative and Alternative Communication 2.           | 2   |
| SCSD 630   | Research and Measurement Methodologies 2.               | 2   |
| SCSD 631   | Speech Science.                                         | 2   |
| SCSD 632   | Phonological Disorders: Children.                       | 3   |
| SCSD 636   | Fluency Disorders.                                      | 3   |
| SCSD 637   | Developmental Language Disorders 1.                     | 3   |
| SCSD 638   | Neurolinguistics.                                       | 2   |
| SCSD 639   | Voice Disorders.                                        | 3   |
| SCSD 643   | Developmental Language Disorders 2.                     | 3   |
| SCSD 644   | Acquired Language Disorders.                            | 3   |
| SCSD 646   | Introductory Clinical Practicum.                        | 4   |
| SCSD 679   | Advanced Clinical Practicum.                            | 12  |
| SCSD 680   | Deglutition and Dysphagia.                              | 3   |
| SCSD 681   | Practicum and Seminar 1.                                | 3   |
| SCSD 682   | Practicum and Seminar 2.                                | 3   |
| SCSD 688   | Genetics in Speech-Language Pathology Practice.         | 1   |
| SCSD 689   | Management Cranio-Facial Disorders.                     | 1   |

## Communication Sciences and Disorders (Ph.D.)

**Offered by:** Commun Sciences & Disorders (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. program provides a foundation for creative research and scientific problem-solving in communication sciences (speech, language, hearing, voice) in typical and atypical populations. The program structure is flexible to encourage students to customize their program through the selection of coursework, seminars, comprehensive topics, research experiences, and thesis topic. The School's doctoral program follows a mentor model and students work closely with faculty supervisors who have international reputations in their respective areas.

Students who have completed a Master's degree with research thesis in Communication Sciences and Disorders or a related area are admitted at level PhD 2. High-caliber students who have not completed a research thesis at the Master's level can enter the Qualifying Year Program (admitted at level PhD 1), which includes extra requirements (coursework and a research project) at the onset of the program.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

For both PhD 1 and PhD 2:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| SCSD 652 | Advanced Research Seminar 1. | 3       |
| SCSD 653 | Advanced Research Seminar 2. | 3       |
| SCSD 701 | Doctoral Comprehensive.      | 0       |

## Complementary Courses (6 or 21 credits)

For both PhD 1 and PhD 2: 6 credits of statistics courses at the 500 level or higher, pre-approved by the supervisor and the graduate program director.

In addition to the above, students entering at PhD 1 must take the following 15 credits:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| SCSD 654 | Advanced Research Seminar 3. | 3       |
| SCSD 685 | Research Project 1.          | 3       |
| SCSD 686 | Research Project 2.          | 3       |

Plus 6 credits, of graduate-level courses, pre-approved by the supervisor and the graduate program director.

# Communication Sciences and Disorders: Language Acquisition (Ph.D.)

**Offered by:** Commun Sciences & Disorders (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

## Program Requirements

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. For details go to: [www.psych.mcgill.ca/lap.html](http://www.psych.mcgill.ca/lap.html).

Students who have completed a Master's degree with research thesis in Communication Sciences and Disorders or a related area are admitted at level PhD 2. High-caliber students who have not completed a research thesis at the Master's level can enter the Qualifying Year Program (admitted at level PhD 1), which includes extra requirements (coursework and a research project) at the onset of the program.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (12 credits)

For both PhD 1 and PhD 2:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| LING 710 | Language Acquisition Issues 2. | 2       |
| PSYC 709 | Language Acquisition Issues 1. | 2       |
| SCSD 652 | Advanced Research Seminar 1.   | 3       |
| SCSD 653 | Advanced Research Seminar 2.   | 3       |
| SCSD 701 | Doctoral Comprehensive.        | 0       |
| SCSD 712 | Language Acquisition Issues 4. | 2       |

## Complementary Courses (9 or 26 credits)

For both PhD 1 and PhD 2:

- 6 credits of statistics courses at the 500 level or higher, pre-approved by the supervisor and the graduate program director.

- At least 3 credits at the 500 level or higher in language acquisition courses that have been approved by the Director of the Language Acquisition Program. For a pre-approved list go to: <https://www.mcgill.ca/scsd/programs/rt/phd/language-acquisition-courses>.

For PhD 1 students, 0-2 credits from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EDPE 713 | Language Acquisition Issues 5. | 2       |
| EDSL 711 | Language Acquisition Issues 3. | 2       |

In addition to the above, students entering at PhD 1 must take the following 15 credits:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| SCSD 654 | Advanced Research Seminar 3. | 3       |
| SCSD 685 | Research Project 1.          | 3       |
| SCSD 686 | Research Project 2.          | 3       |

Plus 6 credits, of graduate-level courses pre-approved by the supervisor and the graduate program director.



# Population and Global Health

## About the School of Population and Global Health

The School of Population and Global Health is composed of the following three departments: Department of Equity, Ethics and Policy, Department of Epidemiology, Biostatistics and Occupational Health, and Department of Global and Public Health.

## Academic Units within the School of Population and Global Health

### Equity, Ethics and Policy Department Bioethics Program

Bioethics programs are located in the Department of Equity, Ethics, and Policy. The new Department, established in 2023, aims to support scholarly research, teaching, and public outreach. Members of the Department have backgrounds in law, sociology, molecular genetics, history, philosophy, public health, epidemiology, economics, and psychology. We offer a master's degree specialization in bioethics for selected master's students in the Division of Experimental Medicine, Department of Human Genetics, Department of Philosophy, School 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 and Health Sciences, Division of Experimental Medicine, Department of Human Genetics;
- Faculty of Law; and
- Faculty of Arts, Department of Philosophy, School of Religious Studies.

Students receive an **M.A., LL.M.,** or **M.Sc.** degree in the discipline chosen with a specialization in Bioethics.

Some applicants are mid-career professionals currently working as physicians, nurses, social workers, other health care providers, or lawyers. Other applicants have recently completed their undergraduate degrees in science, philosophy, law, religious studies, or other disciplines, and wish to pursue specialized master's level training in bioethics before enrolling in doctoral level studies or entering the workplace.

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.

### Bioethics Admission Requirements and Application Procedures

#### Admission Requirements

M.D. degree, professional training in a health science, or bachelor's degree in the sciences, social sciences, law, philosophy, or religious studies. Other students may be considered on an individual basis.

Enrolment is limited to 12 students.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](https://mcgill.ca/gradapplicants/apply).

See University Regulations and Resources (p. 11) > *Graduate > Graduate Admissions and Application Procedures* > Application Procedures (p. 53) for detailed application procedures.

Applications for the Master's Specialization in Bioethics are made initially through the Faculties of Law, Medicine, and Health Sciences (Division of Experimental Medicine, Department of Human Genetics, Department of Family Medicine), and Arts (Department of Philosophy, School of Religious Studies).

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; see [mcgill.ca/equity-ethics-policy/education/masters-specialization-bioethics](https://mcgill.ca/equity-ethics-policy/education/masters-specialization-bioethics).

Applicants must be accepted by the appropriate faculty, the Bioethics Graduate Studies Advisory Committee, and Graduate and Postdoctoral Studies.

### Application Dates and Deadlines

Deadlines coincide with those of the chosen base discipline. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](https://mcgill.ca/gps/contact/graduate-program).

**Note:** Applications for Winter or Summer term admission will not be considered.

## Epidemiology, Biostatistics and Occupational Health Department

### Epidemiology, Biostatistics, and Public Health Programs

The Department offers a variety of graduate programs designed to equip students with the knowledge and skills necessary to excel in the fields of Epidemiology, Biostatistics, and Public Health. Our comprehensive programs include **master's and doctoral** degrees in both Epidemiology and Biostatistics, as well as a **Master of Science** in Public Health.

The methods learned in these fields are used not only in the study of diseases, but also in clinical research; health services research; public health; program planning and evaluation; as well as policy development. Our faculty members are at the forefront of their research domains and include epidemiologists, biostatisticians, clinician scientists, medical informatics specialists, public health specialists, health economists, medical sociologists, and health geographers.

**Research areas** in the Department spans a broad range of areas, including:

- biostatistics;
- clinical and public health informatics;
- environmental and occupational health;
- health care delivery and organization;
- infectious diseases;
- pharmacoepidemiology;
- population and public health;
- social epidemiology;



- epidemiologic methods;
- chronic diseases;
- reproductive and perinatal epidemiology;
- genetic epidemiology;
- global health;
- causal inference; and
- many cross-disciplinary activities.

Faculty members may 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, NGOs, and industry.

## Epidemiology

The Department offers master's and doctoral degrees in Epidemiology. The methods learned in these fields are used not only in the study of diseases, but also in clinical research; health services research; public health; program planning and evaluation; as well as policy development. Our faculty members are at the forefront of their research domains and include epidemiologists, biostatisticians, clinician scientists, medical informatics specialists, public health specialists, health economists, medical sociologists, and health geographers. Research in the Department spans a broad range of areas, including:

- clinical and public health informatics;
- environmental and occupational health;
- health care delivery and organization;
- infectious diseases;
- pharmacoepidemiology;
- population and public health;
- social epidemiology;
- epidemiologic methods;
- chronic diseases;
- reproductive and perinatal epidemiology;
- genetic epidemiology;
- global health;
- causal inference; and
- many cross-disciplinary activities.

Faculty members may 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, NGOs, and industry.

## Master of Science (M.Sc.) Epidemiology (Thesis) (45 credits)

Applicants to the M.Sc. program should preferably hold a bachelor's degree in the natural sciences (e.g., chemistry, microbiology, human genetics), quantitative sciences (e.g., computer science, statistics), or social sciences (e.g., sociology, psychology, economics, geography), 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 (e.g., differential and integral calculus, statistics) 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.

## Master of Science (M.Sc.) Epidemiology (Non-Thesis): Environmental & Occupational Health (48 credits)

This program provides in-depth training in methods used in Environmental and Occupational Health (EOH) and the application of these methods to study the effects of environmental and occupational exposures on human health. Students will be provided with tools to critically evaluate studies in EOH and be able to participate in these studies; learn how to apply specific methods to environmental and occupational problems; and understand how to apply research results to public health or policy. Career opportunities exist in academia, industry, and the public health sectors. Each student will be assigned a supervisor to provide guidance for their project. Research topics must relate to environmental and occupational health and receive approval from the program coordinating committee.

## Master of Science (M.Sc.) Epidemiology (Non-Thesis): Pharmacoepidemiology (48 credits)

Applicants to the Pharmacoepidemiology Option of the M.Sc. (Non-Thesis) program should hold a bachelor's degree in the natural or quantitative sciences (e.g., chemistry, microbiology, computer science, statistics, economics) or hold a degree in one of the health professional sciences (e.g., medicine, pharmacy). Applicants must have an interest in the epidemiology of medications, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate level. The Pharmacoepidemiology Option is designed to provide training in both theory and practice of pharmacoepidemiology. Students will study the foundations and principles of epidemiology and applied biostatistics in order to design, conduct, and analyze pharmacoepidemiological research. Courses require intellectual and academic rigour, and the program provides students with an opportunity to obtain specialized training in pharmacoepidemiology, including pharmacoepidemiologic methods, pharmacology for pharmacoepidemiologists, and practical experience in the form of a research project. Graduates of the program often go on to do doctoral work or become research associates in public, private, and academic settings. McGill has a world-renowned reputation for excellence in pharmacoepidemiology, and McGill-trained pharmacoepidemiologists are known for methodological and quantitative rigour, and quantitative analytic independence.

## Doctor of Philosophy (Ph.D.) Epidemiology

This program may be of interest to students from the natural or quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography), quantitative social sciences (e.g., sociology, psychology), 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 (e.g., differential and integral calculus, statistics) at the undergraduate and master's levels.

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.

### **Doctor of Philosophy (Ph.D.) Epidemiology: Global Health**

Students admitted to the Ph.D. degree in Epidemiology who have an interest in global health can receive additional recognition for completing the Global Health Option within their degree program. Students can fulfill the requirements for both the Ph.D. and the Global Health Option within the normal Ph.D. timeline. Over and above the core Ph.D. training, students in the Global Health Option will undertake global health-dedicated coursework and their thesis will be of relevance to global health. This additional global health training will provide students with insight into the major global health challenges of today's world. This area of study, research, and practice prioritizes improving health and achieving equity in health for all people worldwide. McGill and its affiliated hospitals have close to 200 researchers involved in global health work, from basic biomedical research on tropical diseases to large-scale population studies on the social determinants of health. Students at McGill can be exposed to the work of 20 teams working in all major areas of global health, including Infectious and Tropical Diseases; Global Environmental Health; and Global Mental Health, among others. For more information, visit the Global Health Programs site. With this additional Global Health qualification, Ph.D. graduates will benefit from opportunities for future training or work in those institutions or organizations that are active in global health.

### **Doctor of Philosophy (Ph.D.) Epidemiology: Pharmacoepidemiology**

The Pharmacoepidemiology Option of the Ph.D. Program may be of interest to students from the natural or quantitative sciences (e.g., microbiology, computer science, biostatistics, statistics, economics), Public or Population Health, or Epidemiology, or who hold a degree in one of the health professional sciences (e.g., medicine, pharmacy). Applicants must have an interest in the epidemiology of medications, along with strong conceptual, analytic, and quantitative skills (e.g., differential and integral calculus, statistics) at the undergraduate level. The Pharmacoepidemiology Option prepares students with the advanced epidemiological research skills needed to undertake original contributions to new knowledge related to pharmacoepidemiology. The program is generally completed in four to five years. In addition to obtaining advanced training in the foundations and principles of epidemiology and applied biostatistics as part of the Ph.D. program, students in the Pharmacoepidemiology Option receive specialized training in pharmacoepidemiology, including advanced pharmacoepidemiologic methods, pharmacology for pharmacoepidemiologists, and practical experience in pharmacoepidemiology through their doctoral thesis. 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 pharmacoepidemiology in public, private, and academic settings. With a world-renowned reputation for excellence in pharmacoepidemiology, McGill-trained pharmacoepidemiologists are known for methodological and quantitative rigour, and quantitative analytic independence.

### **Doctor of Philosophy (Ph.D.) Epidemiology: Population Dynamics**

The Population Dynamics Option (PDO) is a cross-disciplinary, cross-faculty graduate program offered by the Centre on Population Dynamics (CPD) as an option within existing master's and doctoral programs in the Departments of Sociology, Economics, and Epidemiology, Biostatistics and Occupational Health (EBOH) at McGill University. Students who have been admitted through their home department or faculty may apply for admission to the option. The option is coordinated by the CPD, in partnership with participating academic units.

Thus, in addition to the rigorous training provided in the Department of EBOH, graduate students who choose this option become Centre on Population Dynamics (CPD) student trainees. This affiliation offers opportunities for interdisciplinary research and supervision. The option also provides a forum whereby students bring their disciplinary perspectives together and enrich each other's learning through structured courses, a weekly seminar series, and informal discussions and networking.

With interdisciplinary research being increasingly important to understanding complex social and biological processes, CPD student trainees benefit from both a strong disciplinary foundation from their departmental affiliations, as well as from the sharing of knowledge across disciplinary boundaries through CPD activities.

### **Biostatistics**

Biostatistics involves the development and application of statistical methods to scientific research in areas such as medicine, epidemiology, public health, occupational and 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. Our biostatistics faculty work in close collaboration with epidemiologists, clinicians, public health specialists, basic scientists, and other health researchers. They also develop new statistical methods for such data. Students will take courses, and may conduct research on topics such as:

- generalized linear models;
- longitudinal data;
- mathematical statistics;
- causal inference;
- statistical methods for epidemiology; and
- survival analysis.

The Department of Epidemiology, Biostatistics, and Occupational Health has one of the largest concentrations of Ph.D.-level statisticians in health sciences in any Canadian university. Faculty members may 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, NGOs, and industry.

**Master of Science (M.Sc.) Biostatistics (Thesis) (45 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.

**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.

**Doctor of Philosophy (Ph.D.) Biostatistics**

Applicants should hold a master's degree in statistics or biostatistics. Previous coursework in calculus, linear algebra, real analysis, and mathematical statistics is essential. Exposure to data analysis is an asset. 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, or other topics. 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.

**Biostatistics Admission Requirements and Application Procedures****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 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 Honours Probability/MATH 357 Honours Statistics. Exposure to data analysis is an asset.

**M.Sc.**

Students admitted into the M.Sc. program will, in general, meet the requirements above. Transfer to the Ph.D. program is possible after the first year, please see the academic information policy page.

**Ph.D.**

Students with the above qualifications, in addition to an M.Sc. degree in Statistics or Biostatistics, will be considered for Ph.D. admission. Exceptional candidates who do not hold an M.Sc. may apply to directly the Ph.D. program. Students applying directly from an undergraduate degree are also encouraged to apply to the M.Sc. program where, as noted above, transfer is possible after the first year. Students who are not accepted into the Ph.D. program will only be considered for the M.Sc. program if they have applied to both programs.

Complete details on the Biostatistics programs are available on our departmental website.

**Language Requirement**

The minimum TOEFL score required, when applicable, is 100 on the Internet-based test. The minimum score for IELTS is 6.5.

**Application Procedures**

All application material and supporting documents must be uploaded directly to the McGill admissions processing system by the application deadline. Refer to the Applying and Admissions site for information and instructions.

McGill's online application form for graduate program candidates is available on the Applying and Admissions site.

See Application Procedures (p. 53) for detailed application procedures.

Completed applications, with all supporting documents, must be uploaded directly to the McGill graduate admissions system by the application deadlines.

Please see our website at [mcgill.ca/epi-biostat-occh/academic-programs/grad/biostatistics/applying](http://mcgill.ca/epi-biostat-occh/academic-programs/grad/biostatistics/applying) for information on required application documents.

**Application Dates and Deadlines**

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Epidemiology, Biostatistics, and Occupational Health and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/epi-biostat-occh/education/grad](http://mcgill.ca/epi-biostat-occh/education/grad).

Please check the general application deadlines for Graduate Studies, and make sure that your program does not have an alternate deadline.

Admission to graduate studies is competitive; late or incomplete applications will not be considered.

**Public Health**

The Department offers a Master of Science in Public Health. Students apply the methods they learn to the study of diseases; clinical research; health services research; public health; program planning and evaluation; as well as policy development. Our faculty members are at the forefront of research in epidemiology, biostatistics, clinical medicine, biomedical informatics, public health, health economics, medical sociology, and health geography.

Faculty members in the Department draw on extensive contacts in the public health community locally, nationally, and internationally to facilitate practicum placements in many areas, including:

- urban public health practice;
- clinical and public health informatics;
- environmental and occupational health;
- health care delivery and organization;
- infectious diseases;
- maternal and child health;
- aboriginal health; and
- global health.

Graduates are highly sought after for careers in government agencies, NGOs, clinical settings, research, and industry.

**Master of Science (M.Sc.) Public Health (Non-Thesis) (60 credits)**

The mission of the Master of Science in Public Health 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 or 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, physical and occupational therapy, nutrition). Through a core series of courses, a wide range of electives, and a practicum, students will acquire knowledge and skills in all the core competencies of public health, including public health sciences; assessment and analysis; policy and program planning, implementation, and evaluation. Graduates of the program will serve as public health practitioners or research professionals 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 of Science in Public Health program includes a 14-16 week field-based 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.

### **Epidemiology and Public Health Admission Requirements and Application Procedures** **Master's in Epidemiology**

- Applicants to the M.Sc. in Epidemiology programs must hold a bachelor's degree in a related area.
- The M.Sc. Epidemiology programs require substantial quantitative skills. The Admission Committees for these programs will look for proof of quantitative proficiency such as good grades in undergraduate-level courses in differential or integral calculus, or in statistics. Although the GRE is not required, GRE results with a strong score (160+) in the Quantitative score may strengthen your application.
- Cumulative Grade Point Average (CGPA): 3.0/4.0 overall or at least 3.2/4.0 over the last two years of study, based on GPA calculations done by the University. Most of our successful applicants have grade point averages well above these minimum requirements.
- Proof of competency in oral and written English (if applicable).

**NOTE:** Satisfaction of general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is on a very competitive basis.

### **Master's in Public Health**

McGill M.Sc. in Public Health students come from a variety of academic backgrounds including the basic sciences, health sciences, engineering as well as social sciences, such as sociology and economics. We particularly welcome applicants who are returning to academia after spending time in the work force. Successful applicants will have a demonstrated capacity in analytic and quantitative methods, but life and work experience are also an important aspect of the applicant profile.

- Applicants to the Master's in Public Health programs must hold a bachelor's degree in a related area: basic sciences, health sciences, engineering, social sciences (such as sociology, economics, political science), and the health professions.
- Substantial quantitative skills: The admissions committee will look for proof of quantitative proficiency, grades B+ or above in at least two undergraduate-level courses in differential or integral calculus, or in other university level mathematics

or statistics courses. For more information: McGill MScPH - Quantitative [training](#) requirements.

- A cumulative Grade Point Average (CGPA) of 3.0/4.0, or minimum 3.2/4.0 over the last two years of study: GPA calculations are done by the university. Please do not submit external transcript evaluations.
- Proof of competency in oral and written English (if applicable).
- OPTIONAL: For international health professionals, and other applicants without significant quantitative training on their transcript, GRE results with a strong result (80th percentile) in the Quantitative score, may strengthen your application.

**NOTE:** Meeting the general requirements does not guarantee admission. As the MScPH is a non-thesis program, applicants do not need to identify a supervisor before applying. While the language of instruction is English, some practicum placement sites in Quebec require a working knowledge of French. The language for placement sites outside of Quebec is generally English.

### **Ph.D. in Epidemiology**

- Applicants to the Ph.D. program must hold a Master's degree in Epidemiology, Public Health, or related discipline. Applicants who hold a Master's degree or professional degree in another area can sometimes be considered. Applicants who are admitted to the Ph.D. Epidemiology program without an M.Sc. in Epidemiology (or equivalent) are expected to ensure that they have sufficient substantive preparation for the Ph.D. level courses. Applicants with insufficient preparation may also consider applying to the M.Sc. Epidemiology program, where there is the opportunity to apply to fast-track into the Ph.D. program at the end of the first year.
- The Epidemiology Ph.D. program requires substantial quantitative skills. The Admission Committee will look for proof of quantitative proficiency, including good grades in undergraduate-level courses in differential or integral calculus, statistics, and strong results in master's-level quantitative courses. Although the GRE is not required, GRE results with a strong score (160+) in the Quantitative score may strengthen your application.
- Cumulative Grade Point Average (CGPA): 3.0/4.0 overall or at least 3.2/4.0 over the last two years of study, based on GPA calculations done by the University. Most of our successful applicants have grade point averages well above these minimum requirements.
- Proof of competency in oral and written English (if applicable).

### **NOTES:**

- Our department does not require applicants to identify a supervisor before applying. However, applicants who have secured a supervisor may be given preference in the admissions process. We strongly recommend contacting potential supervisors in the department who share your research interests as early as possible to discuss the possibility of supervision and the potential for funding. Please note that the agreement of a faculty member to supervise you does not guarantee admission to the program. A list of faculty members and research interests is available on the departmental website.
- Satisfaction of general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is very competitive.
- At the request of the Admissions Committee, some applicants to the Ph.D. Epidemiology program may be contacted for an on-line interview.



Complete details on the Epidemiology programs are available on our Departmental website. Information on the Master's of Public Health program is available [here](#).

### Language Requirement

Minimum TOEFL scores required, when applicable, of 100 on the Internet-based test. Minimum score for IELTS: 6.5.

### Application Procedures

All application material and supporting documents must be uploaded directly to the McGill admissions processing system by the application deadline. Refer to the Applying and Admissions site for information and instructions.

Please see our website for information on required documents.

### Additional Requirements

Please consult our Overview of Graduate Programs site for more information on our requirements.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Epidemiology, Biostatistics, and Occupational Health and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/epi-biostat-occh/education/grad](http://mcgill.ca/epi-biostat-occh/education/grad).

Please check the general application deadlines for Graduate Studies, and make sure that your program does not have an alternate deadline.

Admission to graduate studies is competitive; accordingly, late or incomplete applications will not be considered.

### Occupational Health

**\*\*This program is currently not accepting new applicants.\*\***

The Department offers two graduate degree programs: a **Master's** (M.Sc.A.) and **Doctorate** (Ph.D.) in Occupational Health sciences. The master's program is available on campus or in distance education format. Special Student status is encouraged for students who wish to take only specific courses from our M.Sc. program, but there is a maximum of 12 credits overall, with a maximum of 6 credits per semester, for those with Special Student status.

**Note:** We are not accepting applications for the Occupational Health M.Sc.A. (Distance and Resident) or Ph.D. programs until further notice.

### Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Resident) (46 credits)

A three-term program leading to the degree of Master of Science (Applied) (M.Sc.A.) in Occupational Health Sciences, appropriate for graduates from engineering and basic sciences, physicians, and nurses. Occupational health training allows candidates to evaluate work environments and reduce or eliminate work hazards using prevention and control.

### Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Distance) (45 credits)

A three-and-a-half-year program completed mostly over the Internet.

### 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.

### Occupational Health Admission Requirements and Application Procedures

- Applicants to the M.Sc. Applied (On-Campus) program must hold a Bachelor's degree in a discipline relevant to Occupational Health, such as: chemistry, engineering, environmental sciences, physics, medicine, nursing, or other health science programs.
- Cumulative Grade Point Average (CGPA): 3.0/4.0 overall, or at least 3.2/4.0 over the last two years of study.
- Proof of competency in oral and written English (if applicable).

**NOTE:** Satisfaction of general requirements does not guarantee admission. Admission to graduate studies is limited and acceptance is on a very competitive basis.

### Distance Education

**Note:** We are not accepting applications for the Occupational Health Distance program until further notice.

### Ph.D. Program

**Note:** We are not accepting applications for the Occupational Health Ph.D. program until further notice.

### Language Requirement

Minimum TOEFL scores required, when applicable, of 86 on the Internet-based test. Minimum score for IELTS: 6.5.

### Application Procedures

All application material and supporting documents must be uploaded directly to the McGill admissions processing system. See the Applying and Admissions site for information and instructions.

Applications are considered for the Fall term only. Applications for the Winter/Summer term admission will not be considered, see [mcgill.ca/epi-biostat-occh/education/grad/occh/admission-application-0](http://mcgill.ca/epi-biostat-occh/education/grad/occh/admission-application-0) for further information on required documents and application procedures.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Epidemiology, Biostatistics, and Occupational Health and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/epi-biostat-occh/education/grad/occh](http://mcgill.ca/epi-biostat-occh/education/grad/occh).

Please check the general application deadlines for Graduate Studies, and make sure that your program does not have an alternate deadline.

Admission to graduate studies is competitive; accordingly, late or incomplete applications will not be considered.

**Note:** Applications for Winter/Summer term admission will not be considered, with the exception of admission as Special Students in the Winter term.

### Global and Public Health Department

As one of three departments in the School of Population and Global Health, the Department of Global and Public Health aims to address health inequities and advance public health—locally, nationally, and globally—through action-oriented research, interdisciplinary training, allyship, and equitable partnerships.



The Department aims to foster solution-focused leadership, learning, and knowledge generation around priority global and public health problems. Our research and education programs draw upon diverse expertise from across McGill University, within and beyond the boundaries of the Faculty of Medicine and Health Sciences, and our external partners:

- Our faculty members engage in practice- and problem-based projects with attention to solution-focused innovation across disciplines, as well as the development of the necessary skills, methods, and partnerships to solve complex public health challenges and polycrises.
- Our students learn by engaging with real-world health problems in partnership with stakeholders using hands-on experiential learning and community-based, participatory approaches.

For further information, visit the Department's website.

## Available Programs

- Biostatistics (Non-Thesis) (M.Sc.) (48 credits) (p. 426)
- Biostatistics (Ph.D.) (p. 426)
- Biostatistics (Thesis) (M.Sc.) (45 credits) (p. 426)
- Epidemiology (Non-Thesis): Environmental & Occupational Health (M.Sc.) (48 credits) (p. 422)
- Epidemiology (Non-Thesis): Pharmacoepidemiology (M.Sc.) (48 credits) (p. 422)
- Epidemiology (Ph.D.) (p. 423)
- Epidemiology (Thesis) (M.Sc.) (45 credits) (p. 421)
- Epidemiology: Global Health (Ph.D.) (p. 424)
- Epidemiology: Pharmacoepidemiology (Ph.D.) (p. 425)
- Epidemiology: Population Dynamics (Ph.D.) (p. 425)
- Faculty Program in Population and Global Health (B.A.)
- Health Data Analytics 1 (Gr. Cert.) (15 credits) (p. 428)
- Occupational Health (Non-Thesis) (Distance) (M.Sc.A.) (45 credits) (p. 427)
- Occupational Health (Non-Thesis) (Resident) (M.Sc.A.) (46 credits) (p. 427)
- Occupational Health (Ph.D.) (p. 428)
- Public Health (Non-Thesis) (M.Sc.) (60 credits) (p. 423)

## School of Population and Global Health

2001 McGill College Ave., Suite 1200  
Montréal, QC H3A 1G1

Telephone: 514-398-5776  
Email: spgh.med@mcgill.ca  
Website: mcgill.ca/spgh

## Department of Equity, Ethics and Policy

2001 McGill College Ave., 12th floor  
Montréal, QC H3A 1G1

Telephone: 514-398-1236  
Website: mcgill.ca/equity-ethics-policy

For information, contact the Graduate Program Director Jennifer Fishman at [jennifer.fishman@mcgill.ca](mailto:jennifer.fishman@mcgill.ca).

## Department of Epidemiology, Biostatistics and Occupational Health

2001 McGill College Ave., Suite 1200  
Montréal, QC H3A 1G1

Telephone: 514-398-6258  
Email: [graduate.eboh@mcgill.ca](mailto:graduate.eboh@mcgill.ca)  
Website: [mcgill.ca/epi-biostat-occh](http://mcgill.ca/epi-biostat-occh)

## Epidemiology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

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 (21 credits)

Expand all Contract all

| Course   | Title         | Credits |
|----------|---------------|---------|
| EPIB 690 | M.Sc. Thesis. | 21      |

## Required Courses (21 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

Expand all Contract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EPIB 601 | Fundamentals of Epidemiology.         | 4       |
| EPIB 603 | Intermediate Epidemiology.            | 4       |
| EPIB 605 | Critical Appraisal in Epidemiology.   | 1       |
| EPIB 607 | Inferential Statistics.               | 4       |
| EPIB 613 | Introduction to Statistical Software. | 1       |
| EPIB 621 | Data Analysis in Health Sciences.     | 4       |
| PPHS 602 | Foundations of Population Health.     | 3       |

## Complementary Course (3 credits)

3 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

# Epidemiology (Non-Thesis): Pharmacoepidemiology (M.Sc.) (48 credits)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 48

## Program Description

This program provides in-depth training for graduate students on pharmacoepidemiologic methods and the application of these methods to study the population effects (benefits and harm) of pharmaceutical products. Students will develop knowledge and capacity to critically evaluate pharmacoepidemiologic studies, learn how to apply specific methods and understand how to apply research results for knowledge translation or policy purpose. Career opportunities for graduates are multiple and include work in industry, government, or academia. Students will be required to participate in the Pharmacoepidemiology Journal Club. Research topics must be related to pharmacoepidemiology and approved by the program coordinating committee.

## Research (12 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EPIB 691 | Research Project in Epidemiology. | 12      |

## Required Courses (25 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits at the 500 level or higher.

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EPIB 601 | Fundamentals of Epidemiology.                  | 4       |
| EPIB 603 | Intermediate Epidemiology.                     | 4       |
| EPIB 605 | Critical Appraisal in Epidemiology.            | 1       |
| EPIB 607 | Inferential Statistics.                        | 4       |
| EPIB 613 | Introduction to Statistical Software.          | 1       |
| EPIB 621 | Data Analysis in Health Sciences.              | 4       |
| EPIB 634 | Fundamentals of Pharmacoepidemiology.          | 3       |
| EPIB 662 | Pharmacological Basis of Pharmacoepidemiology. | 1       |
| PPHS 602 | Foundations of Population Health.              | 3       |

## Complementary Courses (11 credits)

11 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor. Courses must be approved by the program's academic adviser.

# Epidemiology (Non-Thesis): Environmental & Occupational Health (M.Sc.) (48 credits)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 48

## Program Description

This program provides in-depth training for graduate students in methods used in Environmental and Occupational Health (EOH) and the application of these methods to study the effects of environmental and occupational exposures on human health. Students will be provided with tools to critically evaluate studies in EOH, as well as to be able to participate in these studies, learn how to apply specific methods to environmental and occupational problems, and understand how to apply research results to public health or policy. Career opportunities exist in academia, industry, and the public health sectors. Each student will be assigned a supervisor to provide guidance for their project. Research topics must be related to environmental and occupational health and approved by the program coordinating committee.

## Research (12 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EPIB 691 | Research Project in Epidemiology. | 12      |

## Required Courses (30 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EPIB 601 | Fundamentals of Epidemiology.                  | 4       |
| EPIB 603 | Intermediate Epidemiology.                     | 4       |
| EPIB 605 | Critical Appraisal in Epidemiology.            | 1       |
| EPIB 607 | Inferential Statistics.                        | 4       |
| EPIB 613 | Introduction to Statistical Software.          | 1       |
| EPIB 621 | Data Analysis in Health Sciences.              | 4       |
| EPIB 684 | Principles of Environmental Health Sciences 1. | 3       |
| EPIB 685 | Principles of Environmental Health Sciences 2. | 3       |
| EPIB 686 | Environmental Health Seminar.                  | 3       |
| PPHS 602 | Foundations of Population Health.              | 3       |

## Complementary Courses (6 credits)

6 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor. Complementary courses are meant to further the student's general

knowledge in environment, environmental health, methodologies, and related aspects to a student's project.

## Public Health (Non-Thesis) (M.Sc.) (60 credits)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 60

### Program Description

The M.Sc. in Public Health; Non-Thesis focuses on the foundations and principles of epidemiology and biostatistics as applied to public health research and practice, and to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological public health-related research. The program will include a practicum during the summer term after the first year.

### Required Courses (36 Credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| EPIB 601 | Fundamentals of Epidemiology.         | 4       |
| EPIB 603 | Intermediate Epidemiology.            | 4       |
| EPIB 605 | Critical Appraisal in Epidemiology.   | 1       |
| EPIB 607 | Inferential Statistics.               | 4       |
| EPIB 613 | Introduction to Statistical Software. | 1       |
| EPIB 621 | Data Analysis in Health Sciences.     | 4       |
| PPHS 602 | Foundations of Population Health.     | 3       |
| PPHS 612 | Principles of Public Health Practice. | 3       |
| PPHS 630 | MScPH Practicum/Project.              | 12      |

### Complementary Courses (9 Credits) Environmental Health Sciences

3 credits from:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| GEOG 503 | Advanced Topics in Health Geography.               | 3       |
| OCCH 602 | Occupational Health Practice.                      | 3       |
| OCCH 604 | Monitoring Occupational Environment.               | 3       |
| PPHS 529 | Global Environmental Health and Burden of Disease. | 3       |

Or other course, at the 500 level or higher, selected with the Program's Academic Advisor.

### Health Services Research Policy and Management

3 credits from:

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| PPHS 525 | Health Care Systems in Comparative Perspective.    | 3       |
| PPHS 527 | Economics for Health Services Research and Policy. | 3       |
| PPHS 528 | Economic Evaluation of Health Programs.            | 3       |
| PPHS 617 | Impact Evaluation.                                 | 3       |

Or other course, at the 500 level or higher, selected with the Program's Academic Advisor.

### Population and Public Health Interventions (social and behavioural science)

3 credits from:

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| EPIB 632 | Mental Disorders: Population Perspectives and Methods. | 3       |
| PPHS 614 | Knowledge Translation and Public Health Leadership .   | 3       |
| PPHS 616 | Principles and Practice of Public Health Surveillance. | 3       |
| PPHS 618 | Program Planning and Evaluation in Public Health .     | 3       |

Or other course, at the 500 level or higher, selected with the Program's Academic Advisor.

### Elective Courses (15 Credits)

15 credits of coursework, at the 500 level or higher. Students may choose to focus on more advanced methods in epidemiology, biostatistics, geography, or substantive areas such as environmental or occupational health, or to select a variety of courses that will deepen their general knowledge of the disciplines that influence population and public health.

Courses will be selected with and approved by the Program's Academic Advisor.

Courses may not satisfy more than one program requirement.

## Epidemiology (Ph.D.)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

### Program Description

Epidemiology is the study and analysis of the patterns and causes of disease in human populations. It forms the core discipline of public health by identifying excess illness and by gaining the etiologic understanding to intervene toward the improvement of population health. The PhD program in epidemiology at McGill trains scientists and health professionals to design and conduct studies, analyze health data and effectively communicate scientific results, and to gain novel insights into the causes and prevention of diseases at the population level. Epidemiologic work at the doctoral level involves a thorough integration of biological knowledge of

pathogenesis, statistical knowledge of quantitative analysis and causal inference, and sociological knowledge to place these insights in the context of dynamic and interconnected human populations. Major areas of strength at McGill include epidemiologic methods, clinical epidemiology, infectious diseases, social epidemiology, pharmacoepidemiology, public and population health, global health, environmental epidemiology, chronic diseases and aging, and perinatal epidemiology.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (17 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| EPIB 701 | Ph.D. Comprehensive Examination.        | 0       |
| EPIB 702 | Ph.D. Proposal.                         | 0       |
| EPIB 703 | Principles of Study Design.             | 3       |
| EPIB 704 | Doctoral Level Epidemiologic Methods 1. | 4       |
| EPIB 705 | Doctoral Level Epidemiologic Methods 2. | 4       |
| EPIB 706 | Doctoral Seminar in Epidemiology.       | 3       |
| EPIB 707 | Research Design in Health Sciences.     | 3       |

## Complementary Courses (9 credits)

9 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in biostatistics and 6 credits in epidemiology and/or substantive topic (normally related to the thesis topic). Courses must be chosen in consultation with the student's supervisor and/or the program director or advisor.

## Epidemiology: Global Health (Ph.D.)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

This option will provide enhanced training in global health to graduate students registered in the Ph.D. in Epidemiology; Global Health degree program at McGill. Students will become familiar with topics of global health relevance and incorporate this into their core coursework and thesis research. The thesis must be relevant to global health and approved by the Global Health Coordinating Committee. Contextualizing the core training students receive in epidemiology and in their respective substantive discipline within the global health

research domain will enhance their academic experience. Graduates of this option will be prepared to pursue further training in global health or to undertake a variety of career opportunities in global health in Canada or internationally.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (23 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| EPIB 681 | Global Health: Epidemiological Research. | 3       |
| EPIB 701 | Ph.D. Comprehensive Examination.         | 0       |
| EPIB 702 | Ph.D. Proposal.                          | 0       |
| EPIB 703 | Principles of Study Design.              | 3       |
| EPIB 704 | Doctoral Level Epidemiologic Methods 1.  | 4       |
| EPIB 705 | Doctoral Level Epidemiologic Methods 2.  | 4       |
| EPIB 706 | Doctoral Seminar in Epidemiology.        | 3       |
| EPIB 707 | Research Design in Health Sciences.      | 3       |
| PPHS 511 | Fundamentals of Global Health.           | 3       |

## Complementary Courses (9 credits)

6 credits of coursework at the 500 level or higher, with a minimum of 3 credits in biostatistics, and 3 credits in epidemiology. Courses must be chosen in consultation with the student's supervisor and/or the program director or advisor.

3 credits of coursework at the 500 level or higher from this list, or any other course approved by the Global Health Option Committee that have not been taken to satisfy other program requirements.

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| GEOG 503 | Advanced Topics in Health Geography.               | 3       |
| NUTR 501 | Nutrition in the Majority World.                   | 3       |
| PPHS 525 | Health Care Systems in Comparative Perspective.    | 3       |
| PPHS 527 | Economics for Health Services Research and Policy. | 3       |
| PPHS 529 | Global Environmental Health and Burden of Disease. | 3       |
| SOCI 519 | Gender and Globalization.                          | 3       |
| SOCI 545 | Sociology of Population.                           | 3       |

# Epidemiology: Pharmacoepidemiology (Ph.D.)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

This program provides in-depth training for graduate students on pharmacoepidemiologic methods and the application of these methods to study the population effects (benefits and harm) of pharmaceutical products. Students will acquire the skills to become independent investigators and conduct original research in pharmacoepidemiology. Career opportunities for graduates are multiple and include work in industry, government, or academia. Students will be required to participate in the Pharmacoepidemiology Journal Club. Research topics must be related to pharmacoepidemiology and approved by the program coordinating committee.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (26 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| EPIB 639 | Pharmacoepidemiologic Methods.                 | 4       |
| EPIB 654 | Pharmacoepidemiology 4.                        | 2       |
| EPIB 661 | Pharmacoepidemiology 3.                        | 2       |
| EPIB 662 | Pharmacological Basis of Pharmacoepidemiology. | 1       |
| EPIB 701 | Ph.D. Comprehensive Examination.               | 0       |
| EPIB 702 | Ph.D. Proposal.                                | 0       |
| EPIB 703 | Principles of Study Design.                    | 3       |
| EPIB 704 | Doctoral Level Epidemiologic Methods 1.        | 4       |
| EPIB 705 | Doctoral Level Epidemiologic Methods 2.        | 4       |
| EPIB 706 | Doctoral Seminar in Epidemiology.              | 3       |
| EPIB 707 | Research Design in Health Sciences.            | 3       |

## Complementary Courses (3 credits)

3 credits of coursework in biostatistics at the 500 level or higher. Courses must be chosen in consultation with the student's supervisor and/or the program director or advisor.

# Epidemiology: Population Dynamics (Ph.D.)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Epidemiology; Population Dynamics program focuses on training in demographic methods (including life table analyses) and critical population dynamic issues such as population health, migration, aging, family dynamics, and labour markets.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (23 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| EPIB 701 | Ph.D. Comprehensive Examination.        | 0       |
| EPIB 702 | Ph.D. Proposal.                         | 0       |
| EPIB 703 | Principles of Study Design.             | 3       |
| EPIB 704 | Doctoral Level Epidemiologic Methods 1. | 4       |
| EPIB 705 | Doctoral Level Epidemiologic Methods 2. | 4       |
| EPIB 706 | Doctoral Seminar in Epidemiology.       | 3       |
| EPIB 707 | Research Design in Health Sciences.     | 3       |
| SOCI 545 | Sociology of Population.                | 3       |
| SOCI 626 | Demographic Methods.                    | 3       |

## Complementary Courses (9 credits)

9 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in biostatistics, 3 credits in epidemiology, and 3 credits from courses approved for the Population Dynamics Option from the list below:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| ECON 634 | Economic Development 3.    | 3       |
| ECON 641 | Labour Economics.          | 3       |
| ECON 734 | Economic Development 4.    | 3       |
| ECON 741 | Advanced Labour Economics. | 3       |
| ECON 742 | Empirical Microeconomics.  | 3       |
| ECON 744 | Health Economics.          | 3       |



|          |                                                    |   |
|----------|----------------------------------------------------|---|
| EPIB 648 | Methods in Social Epidemiology.                    | 3 |
| EPIB 681 | Global Health: Epidemiological Research.           | 3 |
| PPHS 525 | Health Care Systems in Comparative Perspective.    | 3 |
| PPHS 528 | Economic Evaluation of Health Programs.            | 3 |
| PPHS 529 | Global Environmental Health and Burden of Disease. | 3 |
| PPHS 615 | Introduction to Infectious Disease Epidemiology.   | 3 |
| SOCI 502 | Sociology of Childbearing                          | 3 |
| SOCI 520 | Migration and Immigrant Groups.                    | 3 |
| SOCI 525 | Health Care Systems in Comparative Perspective.    | 3 |
| SOCI 535 | Sociology of the Family.                           | 3 |
| SOCI 588 | Biosociology/Biodemography.                        | 3 |

Courses must be chosen in consultation with the student's supervisor and/or the program director or advisor.

## Biostatistics (Thesis) (M.Sc.) (45 credits)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 45

### Program Description

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and thesis.

### Thesis Courses (21 credits)

| Expand allContract all |               |         |
|------------------------|---------------|---------|
| Course                 | Title         | Credits |
| BIOS 690               | M.Sc. Thesis. | 21      |

### 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.

| Expand allContract all |                                                    |         |
|------------------------|----------------------------------------------------|---------|
| Course                 | Title                                              | Credits |
| BIOS 601               | Epidemiology: Introduction and Statistical Models. | 4       |
| BIOS 602               | Epidemiology: Regression Models.                   | 4       |
| MATH 523               | Generalized Linear Models.                         | 4       |
| MATH 533               | Regression and Analysis of Variance.               | 4       |
| MATH 556               | Mathematical Statistics 1.                         | 4       |
| MATH 557               | Mathematical Statistics 2.                         | 4       |

## Biostatistics (Non-Thesis) (M.Sc.) (48 credits)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)  
**Degree:** Master of Science  
**Program credit weight:** 48

### Program Description

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and project.

### Research Project (6 credits)

| Expand allContract all |                                              |         |
|------------------------|----------------------------------------------|---------|
| Course                 | Title                                        | Credits |
| BIOS 630               | Research Project/Practicum in Biostatistics. | 6       |

### Required Courses (24 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

| Expand allContract all |                                                    |         |
|------------------------|----------------------------------------------------|---------|
| Course                 | Title                                              | Credits |
| BIOS 601               | Epidemiology: Introduction and Statistical Models. | 4       |
| BIOS 602               | Epidemiology: Regression Models.                   | 4       |
| MATH 523               | Generalized Linear Models.                         | 4       |
| MATH 533               | Regression and Analysis of Variance.               | 4       |
| MATH 556               | Mathematical Statistics 1.                         | 4       |
| MATH 557               | Mathematical Statistics 2.                         | 4       |

### 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.

## Biostatistics (Ph.D.)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)  
**Degree:** Doctor of Philosophy

### Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| BIOS 701 | Ph.D. Comprehensive Examination. | 0       |
| BIOS 702 | Ph.D. Proposal.                  | 0       |

## Complementary Courses (18-46 credits)

0-28 credits from the following list: (if a student has not already successfully completed them or their equivalent)

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| BIOS 601 | Epidemiology: Introduction and Statistical Models. | 4       |
| BIOS 602 | Epidemiology: Regression Models.                   | 4       |
| BIOS 624 | Data Analysis and Report Writing.                  | 4       |
| MATH 523 | Generalized Linear Models.                         | 4       |
| MATH 533 | Regression and Analysis of Variance.               | 4       |
| MATH 556 | Mathematical Statistics 1.                         | 4       |
| MATH 557 | Mathematical Statistics 2.                         | 4       |

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).

## Occupational Health (Non-Thesis) (Resident) (M.Sc.A.) (46 credits)

**Offered by:** Occupational Health (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 46

## Program Description

A three-term program leading to the degree of Master of Science(Applied) [M.Sc.(A.)] in Occupational Health; Non-Thesis, appropriate for graduates from engineering and basic sciences, physicians, and nurses. Occupational health training includes

evaluation of work environments and reduction or elimination of work hazards using prevention and control.

## Research Project (15 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| OCCH 699 | Project Occupational Health and Safety. | 15      |

## Required Courses (31 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| EPIB 507 | Biostats for Health Sciences.        | 3       |
| EPIB 601 | Fundamentals of Epidemiology.        | 4       |
| OCCH 602 | Occupational Health Practice.        | 3       |
| OCCH 604 | Monitoring Occupational Environment. | 3       |
| OCCH 605 | Physical Health Hazards.             | 6       |
| OCCH 608 | Biological Hazards.                  | 3       |
| OCCH 612 | Principles of Toxicology.            | 3       |
| OCCH 615 | Occupational Safety Practice.        | 3       |
| OCCH 616 | Occupational Hygiene.                | 3       |

## Occupational Health (Non-Thesis) (Distance) (M.Sc.A.) (45 credits)

**Offered by:** Occupational Health (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

\*\*This program is currently not accepting applicants.\*\*

## Research Project (15 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| OCCH 699 | Project Occupational Health and Safety. | 15      |

## Required Courses (30 credits)

Note: Students must pass the Master's Integrative Examination (OCCH 600 Master's Integrative Exam.) before writing their Project.

Each course has a final (proctored) examination at the end of the term.

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| OCCH 600 | Master's Integrative Exam.           | 0       |
| OCCH 602 | Occupational Health Practice.        | 3       |
| OCCH 603 | Work and Environment Epidemiology 1. | 3       |
| OCCH 604 | Monitoring Occupational Environment. | 3       |
| OCCH 608 | Biological Hazards.                  | 3       |
| OCCH 612 | Principles of Toxicology.            | 3       |

|          |                                                       |   |
|----------|-------------------------------------------------------|---|
| OCCH 615 | Occupational Safety Practice.                         | 3 |
| OCCH 616 | Occupational Hygiene.                                 | 3 |
| OCCH 617 | Occupational Diseases.                                | 3 |
| OCCH 624 | Social and Behavioural Aspects - Occupational Health. | 3 |
| OCCH 625 | Work and Environment Epidemiology 2.                  | 3 |
| OCCH 626 | Basics: Physical Health Hazards.                      | 3 |
| OCCH 627 | Work Physiology and Ergonomics.                       | 3 |
| OCCH 630 | Occupational Diseases for OHNS.                       | 3 |
| OCCH 635 | Environmental Risks to Health.                        | 3 |

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.

## Occupational Health (Ph.D.)

**Offered by:** Occupational Health (Faculty of Medicine & Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

\*\*This program is currently not accepting applicants.\*\*

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (2 credits)

Expand allContract all

| Course   | Title                                             | Credits |
|----------|---------------------------------------------------|---------|
| OCCH 700 | Ph.D. Comprehensive Examination.                  | 0       |
| OCCH 706 | Ph.D. Seminar on Occupational Health and Hygiene. | 2       |

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.

## Health Data Analytics 1 (Gr. Cert.) (15 credits)

**Offered by:** Epidemiology and Biostatistics (Faculty of Medicine & Health Sciences)

**Program credit weight:** 15

## Program Description

The Graduate Certificate in Health Data Analytics 1 is an online program that offers strong statistical and computational training to solve emerging problems in public health and the biomedical sciences. This training focuses on the skills needed to clean, manage and analyze data sets, and to interpret and report findings in a reproducible, effective, and accessible manner.

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                                                     | Credits |
|----------|-----------------------------------------------------------|---------|
| BIOS 640 | Introduction to Health Data Science Methods               | 3       |
| BIOS 641 | Health Data Analysis: Essential Theory                    | 3       |
| BIOS 642 | Health Data: Statistical Learning and Model Visualization | 3       |
| BIOS 643 | Theory to Practice: Analysis and Reporting                | 3       |
| BIOS 644 | Health Data Analytics Capstone Project 1                  | 3       |

# Health Sciences Education

## About the Institute of Health Sciences Education

The Institute of Health Sciences Education promotes excellence and scholarship across the continuum of health sciences education. More specifically, the Institute of Health Sciences Education at McGill:

- encourages innovation and excellence in teaching and learning;
- serves as a resource for curriculum development;
- conducts research and scholarly work in health sciences education;
- and ensures that research advances the field of health sciences education and informs educational practice.

The Institute of Health Sciences Education offers the Ph.D. in Health Sciences Education. Refer to the programs tab for more information.

## About the Ph.D. in Health Sciences Education

The Ph.D. in Health Sciences Education is a unique, interdisciplinary and interprofessional program offered by McGill University's Institute of Health Sciences Education (IHSE), within the Faculty of Medicine and Health Sciences.

This program uses a theoretical approach to guide aspiring researchers in health professions and health sciences education (HSE) to develop the skills to make conceptually informed design and methodological choices in their research projects.

After completing the program, students will join a new, innovative, and fast-growing field in the health sciences, where researchers from a broad range of disciplines contribute practice-informed evidence that advances:

- societal health and well-being
- the quality and safety of patient care
- the education of the next generation of health care professionals.

As Ph.D. students are based at the IHSE, a unit specially devoted to the field in Canada, they will also gain opportunities for networking, collaboration and mentorship, as well as access to research and clinical sites.

The Ph.D. program is offered on a full-time basis at the IHSE, located on the McGill University campus in downtown Montreal.

## Location

Institute of Health Sciences Education  
Lady Meredith House, 2nd Floor  
1110 Pine Ave. W.  
Montréal, QC H3A 1A3

Telephone: 514-398-4987

Fax: 514-398-7246

Email: gradcoord-ihse.med@mcgill.ca

## Interdepartmental Studies

Interdepartmental Studies in the Faculty of Medicine and Health Sciences is a dynamic hub that includes programs offered

collaboratively by two or more departments, and programs that are administered independently of departmental structures. The first program launched within IDS is the innovative Ph.D. in Cancer Sciences.

## Interdisciplinary Cancer Sciences

The Interdisciplinary Cancer Sciences Program (ICSP), offered by the Faculty of Medicine and Health Sciences, is a research-intensive program that emphasizes unique and innovative learning opportunities.

The ICSP is an inter-departmental initiative involving over 65 researchers from 17 different departments within the Faculty of Medicine and Health Sciences.

The program's objective is to equip students with skills in critical thinking, effective communication of complex ideas, and collaborative problem-solving to pursue professional opportunities in academia, industry, and beyond.

## Program

- Interdisciplinary Cancer Sciences (Ph.D.) (p. 429)

## Advising and Contact

Email: icsp.med@mcgill.ca

## Interdisciplinary Cancer Sciences (Ph.D.)

**Offered by:** Interdepartmental Studies (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Interdisciplinary Cancer Sciences focuses on cancer as a disease and the breadth of cancer research across disciplines. This program includes a solid foundation in fundamental aspects of cancer biology, "omics" analyses, treatments, and patient care.

## Required Courses (4 credits)

Expand all Contract all

| Course     | Title                            | Credits |
|------------|----------------------------------|---------|
| CANC 621D1 | Seminars in Cancer Sciences.     | 2       |
| CANC 621D2 | Seminars in Cancer Sciences.     | 2       |
| CANC 701   | Ph.D. Comprehensive Examination. | 0       |

## Complementary Courses (10 credits)

6 credits from the following:

Expand all Contract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| EXMD 635D1 | Experimental/Clinical Oncology.               | 3       |
| EXMD 635D2 | Experimental/Clinical Oncology.               | 3       |
| ONCO 610D1 | Fundamentals of Oncology and Cancer Research. | 3       |

|            |                                               |   |
|------------|-----------------------------------------------|---|
| ONCO 610D2 | Fundamentals of Oncology and Cancer Research. | 3 |
|------------|-----------------------------------------------|---|

<sup>1</sup> Choose either EXMD 635D1/D2 or ONCO 610D1/D2.

4 credits from the following:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| BIOC 600 | Advanced Strategies in Genetics and Genomics.         | 3       |
| BIOC 603 | Genomics and Gene Expression.                         | 3       |
| BIOC 605 | Protein Biology and Proteomics.                       | 3       |
| BMDE 507 | Formulation and Delivery of Biotherapeutics.          | 3       |
| BMDE 653 | Patents in Biomedical Engineering.                    | 3       |
| BMDE 655 | Biomedical Clinical Trials - Medical Devices.         | 3       |
| CANC 601 | Patient Engagement in Cancer Research.                | 1       |
| CANC 602 | Epidemiology in Cancer .                              | 1       |
| CANC 603 | Mouse Models in Cancer .                              | 1       |
| CANC 604 | Cancer Genomics Data Analyses .                       | 1       |
| CANC 605 | Cancer Caregiving: Psychosocial Issues.               | 1       |
| CANC 606 | Tumour Microenvironment.                              | 1       |
| CANC 607 | Cancer Immunotherapies.                               | 1       |
| CANC 608 | Oncometabolism .                                      | 1       |
| EPIB 507 | Biostats for Health Sciences.                         | 3       |
| EPIB 521 | Regression Analysis for Health Sciences.              | 3       |
| EPIB 635 | Statistical Design of Clinical Trials                 | 3       |
| EPIB 671 | Cancer Epidemiology and Prevention.                   | 3       |
| EXMD 504 | Biology of Cancer.                                    | 3       |
| EXMD 602 | Techniques in Molecular Genetics.                     | 3       |
| EXMD 607 | Molecular Control of Cell Growth.                     | 3       |
| EXMD 608 | Molecular Embryology.                                 | 3       |
| EXMD 614 | Environmental Carcinogenesis.                         | 3       |
| EXMD 617 | Workshop in Clinical Trials 1.                        | 1       |
| EXMD 618 | Workshop in Clinical Trials 2.                        | 1       |
| EXMD 619 | Workshop in Clinical Trials 3.                        | 1       |
| EXMD 647 | Epigenetics and Cancer.                               | 3       |
| EXSU 500 | Artificial Intelligence in Medicine .                 | 3       |
| EXSU 606 | Statistics for Surgical Research.                     | 3       |
| HGEN 676 | Lab Course in Genomics.                               | 3       |
| HGEN 677 | Statistical Concepts in Genetic and Genomic Analysis. | 3       |
| HGEN 679 | Cancer Genetics: Precision Oncology.                  | 3       |
| HGEN 693 | Using Bioinformatics Resources.                       | 3       |
| NUR2 515 | Applied Statistics for Nursing.                       | 3       |
| NUR2 783 | Psychosocial Oncology Research.                       | 3       |
| ONCO 611 | Proteomics for Precision Medicine.                    | 3       |
| ONCO 615 | Principles and Practice of Clinical Trials.           | 3       |
| ONCO 620 | Best Practices in Biomedical Research.                | 3       |

|          |                                               |   |
|----------|-----------------------------------------------|---|
| ONCO 625 | Quality Improvement Principles and Methods.   | 3 |
| ONCO 635 | Qualitative and Psychosocial Health Research. | 3 |
| ONCO 645 | Seminars in Global Oncology.                  | 3 |
| PATH 652 | Molecular Biology of Disease.                 | 3 |
| PHAR 508 | Drug Discovery and Development 3.             | 3 |
| PHGY 513 | Translational Immunology.                     | 3 |
| POTH 637 | Cancer Rehabilitation.                        | 3 |



# Music, Schulich School of

Renowned for its orchestral, wind, percussion, contemporary music, choral, opera, jazz, chamber, and early music ensembles, the Schulich School of Music presents more than 700 concerts and events each year. Those are just some of the unique performance opportunities you'll have at Canada's largest music school. You'll also benefit from five recording studios, two concert halls, recital halls, computer and digital composition labs, and a state-of-the-art music library, not to mention world-class research and production facilities. Your contact with leading professional musicians, research societies, and music industry experts will provide extensive practical experience and prepare you for the demands of professional life.

## About Schulich School of Music

The Schulich School of Music of McGill University 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;
- the Centre for Interdisciplinary Research in Music, Media and Technology (CIRMMT); and
- a research network that links the Faculty with 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).

The thesis may take one of two forms in Music Education and Theory: the standard thesis and the research paper-based thesis (includes a more substantial course load). Students in Music Technology and Musicology only have a standard thesis available as an option.

The **Master of Music degree (M.Mus.)** is available in Composition, Performance, and Sound Recording. Specializations offered within the performance option are: piano, guitar, orchestral instruments (including orchestral training), organ and church music, conducting, collaborative piano, opera and voice, early music, and jazz.

The **Graduate Certificate** in Performance – Choral Conducting is designed for choral conductors wishing to perfect their technical, pedagogical, and musical skills. This flexible program allows conductors to develop their craft while maintaining their professional activities.

The **Graduate Diploma** in Performance is a one-year graduate diploma that allows excellent musicians to refine their technique and master repertoire through intensive coaching, practice, and performance projects.

The **Post-Graduate Artist Diploma** in Performance is the uppermost diploma offered at the Schulich School of Music. It is tailored for artists wishing to achieve the highest level of artistry in their craft.

The **Doctor of Music degree (D.Mus.)** is offered in Composition and Performance Studies.

The **Doctor of Philosophy degree (Ph.D.)** is available in Applied Performance Science, Composition, Interdisciplinary Studies, Music Education, Musicology, Music Technology, Sound Recording, and Music Theory. A Gender and Women's Studies specialization is possible in Musicology and Music Theory.

## Funding

The Schulich School of Music has several sources of funding for graduate students.

Entrance Excellence Scholarships for highly ranked graduate students typically range in value from \$5,000 to \$20,000; some two- and three-year packages are available at the master's and doctoral levels, respectively (see [mcgill.ca/gps/funding](http://mcgill.ca/gps/funding)). A limited number of differential fee waivers are also available for the most highly ranked incoming international students. The Scholarships and Student Aid Office offers information and options for out-of-province, American, and other international students (see [mcgill.ca/studentaid](http://mcgill.ca/studentaid)).

Returning students are eligible for a small number of in-course scholarships awarded annually to recognize excellence in academic and performance achievement.

The Schulich School of Music also has a renowned mentoring program that helps students develop applications for a wide variety of external funding for national, international, and university competitions (CIRMMT Research, DAAD, Fulbright, NSERC, NSERC Discovery, Connection grants, SSHRC, Vanier, etc.), including various arts and cultural organizations (recordings, commissions, production artistic development). Some provide for multi-year funding, others funding for individual projects.

Opportunities for funding through Work Study and as teaching assistants also provide professional training. Positions include TAs, invigilators, apprentice writers for program notes, sound recording technicians, library assistants, stage hands, Opera Studio, and front-of-house staff, among others. Positions for teaching assistantships are advertised each semester by departmental announcement. Typically there are few, if any, TA positions available for students in their first year of study. Posts are advertised through the Music Research and Performance Departments at the beginning of each semester and through the Work Study website.

A variety of research assistantships in selected areas are also available. Inquiries should be directed to the supervisors, the Associate Dean of Graduate Studies in Music, and the Associate Dean for Research (see [mcgill.ca/music/people-research/staff-directory](http://mcgill.ca/music/people-research/staff-directory)).

Opportunities for paid performances in the community for soloists, choristers, chamber ensembles, organists, orchestral and jazz

musicians, and piano collaborators are facilitated through the Booking Office (see [mcgill.ca/music/about-us/hire-student-musicians/gig-list](http://mcgill.ca/music/about-us/hire-student-musicians/gig-list)).

The Schulich School of Music also provides travel funding for conferences and special performance and research initiatives. Graduate students may apply once per academic year; see [mcgill.ca/music/student-resources/competitions-awards](http://mcgill.ca/music/student-resources/competitions-awards).

## Admission Requirements and Application Procedures

### Admission Requirements

#### Master's Degrees

Applicants for the master's degree must hold a bachelor's degree or its equivalent (as determined by McGill University), typically with a Major in music, including considerable work done in the area of specialization.

Applicants found to be deficient in their background preparation may be required to successfully complete one or more undergraduate courses.

All applicants (except those for Performance, Musicology, and Sound Recording) will be required to take placement examinations.

All M.Mus. Performance applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material.

Conducting and jazz applicants who apply for the live audition option must submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live audition. For more information, see Application materials (all graduate programs).

Specific admission and document requirements for each program are outlined at [mcgill.ca/music/admissions/graduate](http://mcgill.ca/music/admissions/graduate).

#### Certificate in Performance: Choral Conducting

Applicants for the Certificate in Choral Conducting must hold a bachelor's degree or its equivalent (as determined by McGill University), typically with a Major in music, including considerable work done in the area of specialization.

All applicants for the Certificate in Choral Conducting are required to pass an audition. Applicants can attend a live audition or submit recorded material.

Applicants who apply for the live audition option must submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live audition. For more information, see Audition guidelines.

Specific admission and document requirements for each program are outlined at [mcgill.ca/music/admissions/graduate/how-apply/application-materials](http://mcgill.ca/music/admissions/graduate/how-apply/application-materials).

#### Graduate Diploma in Performance

Applicants for the Graduate Diploma in Performance must hold a B.Mus. or a B.A. degree with a Major or an Honours in music, a Licentiate, or an M.Mus., including considerable work in the area of specialization. All diploma applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material. Jazz applicants who apply for the live audition option will be required to submit screening material for pre-selection. Following a review of these materials, selected applicants will be invited to attend a live

audition; see Audition guidelines. Specific admission and document requirements for each program are outlined at [mcgill.ca/music/admissions/graduate/how-apply/application-materials](http://mcgill.ca/music/admissions/graduate/how-apply/application-materials).

### Post-Graduate Artist Diploma

Applicants for the Post-Graduate Artist Diploma must hold a M.Mus. or D.Mus. in music, including considerable work in the area of specialization. All diploma applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material. Specific admission and document requirements are outlined at [mcgill.ca/music/admissions/graduate/how-apply/application-materials](http://mcgill.ca/music/admissions/graduate/how-apply/application-materials).

#### 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 screening material, samples of written work, and a statement of proposed artistic research interests by the specified application deadlines. Following a review of these materials, selected applicants will be invited to attend a live audition.

#### 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 Applied Performance Science, 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, Theory, or Sound Recording. 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 Ph.D. program.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See the Application Procedures (p. 53) section for detailed information. Please also consult [mcgill.ca/music/admissions/graduate](http://mcgill.ca/music/admissions/graduate) for detailed application procedures and document requirements.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- \$82.12 audition fee for Performance degrees and diplomas.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Schulich School of Music and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/music/admissions/graduate](http://mcgill.ca/music/admissions/graduate).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

- Music (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Interdisciplinary Studies and Applied Performance Sciences) (Ph.D.) (p. 448)
- Music (M.A.): Music Education (Non-Thesis) (45 credits) (p. 434)
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- Performance (M.Mus.): Orchestral Instruments, Guitar (Thesis) (45 credits) (p. 443)
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## Location

Schulich School of Music  
Strathcona Music Building  
555 Sherbrooke St. W.  
Montréal, QC H3A 1E3

Telephone: 514-398-4469

Website: [mcgill.ca/music](http://mcgill.ca/music)

## Music (M.Mus.): Composition (Thesis)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 45

## Program Description

The M.Mus. in Music; Composition focuses on the development of 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 faculty members' diverse interests ensures a suitable mentor/supervisor.

Students admitted to the M.Mus. in Music; Composition program who have undergraduate degrees other than the B.Mus.; Major in Composition from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

## Required Courses (33 credits)

Expand allContract all

| Course     | Title                 | Credits |
|------------|-----------------------|---------|
| MUCO 622D1 | Composition Tutorial. | 3       |
| MUCO 622D2 | Composition Tutorial. | 3       |

## Thesis

The thesis is a composition, accompanied by an analytical essay of approximately 20-30 pages.

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 684 | Master's Thesis Research 2. | 6       |
| MUGS 685 | Master's Thesis Research 3. | 9       |
| MUGS 686 | Master's Thesis Research 4. | 12      |

## Complementary Courses (12 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| MUCO 631 | Seminar in Composition 1. | 3       |
| MUCO 632 | Seminar in Composition 2. | 3       |
| MUCO 633 | Seminar in Composition 3. | 3       |
| MUCO 634 | Seminar in Composition 4. | 3       |
| MUCO 635 | Seminar in Composition 5. | 3       |
| MUCO 636 | Seminar in Composition 6. | 3       |

6 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music.

## Music (M.A.): Music Education (Non-Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

**\*\*This program is currently not offered.\*\***

The M.A. in Music; Non-Thesis - Music Education is a course-based program that focuses on disciplinary research methodologies and critical issues. Guidance is provided by leading scholars whose internationally acclaimed research covers a broad spectrum of topics central to the music education discipline.

Students admitted to the M.A. in Music; Non-Thesis - Music Education program who have undergraduate degrees other than the B.Mus.; Minor in Music Education from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUGS 614 | Reading Course 1.            | 3       |
| MUGS 615 | Reading Course 2.            | 3       |
| MUGT 610 | Seminar - Music Education 1. | 3       |

### Research Project

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| MUGS 635 | Research Paper 1. | 9       |
| MUGS 636 | Research Paper 2. | 9       |

### Complementary Courses (18 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUGT 610 | Seminar - Music Education 1. | 3       |
| MUGT 611 | Seminar - Music Education 2. | 3       |
| MUGT 612 | Seminar - Music Education 3. | 3       |
| MUGT 613 | Seminar - Music Education 4. | 3       |

9 credits of seminars at the 600 level or higher, approved by the Schulich School of Music. With the approval of the Music Education Area, 6 credits may be taken in the Faculty of Education.

## Music (M.A.): Music Education (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. in Music; Music Education 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 introduce foundations of a range of research methodologies and critical thinking skills. The thesis can be submitted in one of two formats: in-depth monograph-style thesis, or a research-paper-based thesis. Students who prefer to write an in-depth monograph-style thesis will take MUGS 684 Master's Thesis Research 2. as a complementary course. Students who prefer to write a research-paper-based thesis will take two more seminars.

Students admitted to the M.A. in Music; Music Education program who have undergraduate degrees other than the B.Mus.; Minor in Music Education from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUGT 610 | Seminar - Music Education 1. | 3       |

### Thesis Courses

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 683 | Master's Thesis Research 1. | 3       |
| MUGS 685 | Master's Thesis Research 3. | 9       |
| MUGS 686 | Master's Thesis Research 4. | 12      |

### Complementary Courses (18 credits)

6-9 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUGT 610 | Seminar - Music Education 1. | 3       |
| MUGT 611 | Seminar - Music Education 2. | 3       |
| MUGT 612 | Seminar - Music Education 3. | 3       |
| MUGT 613 | Seminar - Music Education 4. | 3       |

0-6 credits from the following

Expand allContract all



| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 684 | Master's Thesis Research 2. | 6       |

3-12 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music

## Music (M.A.): Musicology (Non-Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)  
**Degree:** Master of Arts  
**Program credit weight:** 45

### Program Description

**\*\*This program is currently not offered.\*\***

The M.A. in Music; Musicology-Non-Thesis is a course-based program that focuses on research methodologies and critical issues. Guidance is provided by leading scholars whose internationally acclaimed research covers a broad spectrum of topics central to the Musicology discipline.

Students admitted to the M.A. in Music; Musicology-Non-Thesis program who have undergraduate degrees other than the B.Mus.; Major in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| MUGS 614 | Reading Course 1.         | 3       |
| MUGS 615 | Reading Course 2.         | 3       |
| MUHL 529 | Proseminar in Musicology. | 3       |

### Research Project

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| MUGS 635 | Research Paper 1. | 9       |
| MUGS 636 | Research Paper 2. | 9       |

### Complementary Courses (18 credits)

12 credits from the following:

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| MUHL 680 | Seminar in Musicology 1. | 3       |
| MUHL 681 | Seminar in Musicology 2. | 3       |
| MUHL 682 | Seminar in Musicology 3. | 3       |
| MUHL 683 | Seminar in Musicology 4. | 3       |
| MUHL 684 | Seminar in Musicology 5. | 3       |
| MUHL 685 | Seminar in Musicology 6. | 3       |

6 credits of seminar at the 600 level or higher, approved by the Schulich School of Music.

## Music (M.A.): Musicology (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)  
**Degree:** Master of Arts  
**Program credit weight:** 45

### Program Description

The M.A. in Music; Musicology program focuses on the diverse ways in which music's political, social, and historical contexts shape the meanings. The program comprises foundational methodologies, critical thinking skills and exploration of themes in musicological literature and analytical skills. Students write an in-depth monograph-style thesis.

Students admitted to the M.A. in Music; Musicology program who have undergraduate degrees other than the B.Mus.; Major in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

### Required Courses (30 credits)

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| MUHL 529 | Proseminar in Musicology. | 3       |

### Thesis Courses

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 684 | Master's Thesis Research 2. | 6       |
| MUGS 685 | Master's Thesis Research 3. | 9       |
| MUGS 686 | Master's Thesis Research 4. | 12      |

### Complementary Courses (15 credits)

3 credits from the following:

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| MUHL 591D1 | Paleography.           | 1.5     |
| MUHL 591D2 | Paleography.           | 1.5     |
| MUHL 592   | Popular Music Studies. | 3       |

12 credits from the following:

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| MUHL 680 | Seminar in Musicology 1. | 3       |
| MUHL 681 | Seminar in Musicology 2. | 3       |
| MUHL 682 | Seminar in Musicology 3. | 3       |
| MUHL 683 | Seminar in Musicology 4. | 3       |
| MUHL 684 | Seminar in Musicology 5. | 3       |
| MUHL 685 | Seminar in Musicology 6. | 3       |



# Music Musicology (Thesis) (M.A.): Gender and Women's Studies (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The Master of Arts in Music; Musicology - Gender and Women's Studies focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies.

Students admitted to the Master of Arts in Music; Musicology - Gender and Women's Studies program who have undergraduate degrees other than the B.Mus.; Major in Music History from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MUHL 529 | Proseminar in Musicology.      | 3       |
| WMST 601 | Feminist Theories and Methods. | 3       |

## Thesis Courses

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.

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 683 | Master's Thesis Research 1. | 3       |
| MUGS 685 | Master's Thesis Research 3. | 9       |
| MUGS 686 | Master's Thesis Research 4. | 12      |

## Complementary Courses (15 credits)

3 credits from the following:

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| MUHL 591D1 | Paleography.           | 1.5     |
| MUHL 591D2 | Paleography.           | 1.5     |
| MUHL 592   | Popular Music Studies. | 3       |

6 credits from the following:

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| MUHL 680 | Seminar in Musicology 1. | 3       |
| MUHL 681 | Seminar in Musicology 2. | 3       |
| MUHL 682 | Seminar in Musicology 3. | 3       |

|          |                          |   |
|----------|--------------------------|---|
| MUHL 683 | Seminar in Musicology 4. | 3 |
| MUHL 684 | Seminar in Musicology 5. | 3 |
| MUHL 685 | Seminar in Musicology 6. | 3 |

3 credits of seminars at the 600 level or higher, approved by the Schulich School of Music.

3 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

Or a 3-credit seminar at the 600 level or higher, on gender/women's issues, which may be selected from within or outside of the Schulich School of Music. The selection must be approved by the Musicology Area.

# Music (M.A.): Music Technology (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Arts

**Program credit weight:** 45

## Program Description

The M.A. in Music; Music Technology encourages interaction between musical creation, technology, and research, with an intensive focus on scientific research of advanced music technologies. Topics include computer music, new media, musical acoustics, digital signal processing, human-computer interaction, synthesis and gestural control, music information retrieval and music perception and cognition.

Students admitted to the M.A. in Music; Music Technology may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

## Required Courses (30 credits)

### Thesis Courses

The candidate will undertake supervised research leading to a thesis that will utilize or investigate an aspect of musical science and technology.

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 683 | Master's Thesis Research 1. | 3       |
| MUGS 684 | Master's Thesis Research 2. | 6       |
| MUGS 685 | Master's Thesis Research 3. | 9       |
| MUGS 686 | Master's Thesis Research 4. | 12      |

## Complementary Courses (15 credits)

15 credits of graduate seminars at the 500, 600, or 700 level approved by the Schulich School of Music, 9 credits of which must be Music Technology seminars with the prefix MUMT.

## Music (M.A.): Theory (Non-Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

\*\*This program is currently not offered.\*\*

The M.A. in Music; Non-Thesis - Theory is a course-based program that focuses on disciplinary knowledge and critical issues. Guidance provided by leading scholars whose internationally acclaimed research covers a broad spectrum of topics central to the theory discipline.

Students admitted to the M.A. in Music; Non-Thesis - Theory who have undergraduate degrees other than the B.Mus.; Major in Theory from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

## Required Courses (24 credits)

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| MUGS 614 | Reading Course 1. | 3       |
| MUGS 615 | Reading Course 2. | 3       |

### Research Project

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| MUGS 635 | Research Paper 1. | 9       |
| MUGS 636 | Research Paper 2. | 9       |

## Complementary Courses (21 credits)

12 credits from the following:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 652 | Seminar in Music Theory 1. | 3       |
| MUTH 653 | Seminar in Music Theory 2. | 3       |
| MUTH 654 | Seminar in Music Theory 3. | 3       |
| MUTH 655 | Seminar in Music Theory 4. | 3       |
| MUTH 656 | Seminar in Music Theory 5. | 3       |
| MUTH 657 | Seminar in Music Theory 6. | 3       |

3-6 credits will be from the following:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 658 | History of Music Theory 1. | 3       |
| MUTH 659 | History of Music Theory 2. | 3       |

3-6 credits of seminars, at the 600 level and higher, approved by the Schulich School of Music.

## Music (M.A.): Theory (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. in Music; Theory explores how specific pieces of music are put together and how this may be generalized to relate to the way other pieces of music are composed, including music theory, various analytical models and the critical issues that define the discipline. The thesis can be submitted in one of two formats: in-depth monograph-style thesis, or a research-paper-based thesis. Students who prefer to write an in-depth monograph-style thesis will take MUGS 684 Master's Thesis Research 2. as a complementary course. Students who prefer to write a research-paper-based thesis will take two more seminars.

Depending on their background, students admitted to the M.A. Music; Theory may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 683 | Master's Thesis Research 1. | 3       |
| MUGS 685 | Master's Thesis Research 3. | 9       |
| MUGS 686 | Master's Thesis Research 4. | 12      |

## Complementary Courses (21 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 652 | Seminar in Music Theory 1. | 3       |
| MUTH 653 | Seminar in Music Theory 2. | 3       |
| MUTH 654 | Seminar in Music Theory 3. | 3       |
| MUTH 655 | Seminar in Music Theory 4. | 3       |
| MUTH 656 | Seminar in Music Theory 5. | 3       |
| MUTH 657 | Seminar in Music Theory 6. | 3       |

3-6 credits will be from the following:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 658 | History of Music Theory 1. | 3       |
| MUTH 659 | History of Music Theory 2. | 3       |

0-6 credits from the following:

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 684 | Master's Thesis Research 2. | 6       |

0-9 credits at the 600 level or higher, approved by the Schulich School of Music.

## Music Theory (Thesis) (M.A.): Gender and Women's Studies (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Arts

**Program credit weight:** 45

### Program Description

The M.A. in Music; Theory - Gender and Women's Studies focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies. This program is offered in collaboration with the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University.

Students admitted to the M.A. in Music; Theory - Gender and Women's Studies who have undergraduate degrees other than the B.Mus.; Major in Theory from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

### Required Courses (30 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| WMST 601 | Feminist Theories and Methods. | 3       |

### Thesis Courses

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.

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 684 | Master's Thesis Research 2. | 6       |
| MUGS 685 | Master's Thesis Research 3. | 9       |
| MUGS 686 | Master's Thesis Research 4. | 12      |

### Complementary Courses (15 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 652 | Seminar in Music Theory 1. | 3       |
| MUTH 653 | Seminar in Music Theory 2. | 3       |
| MUTH 654 | Seminar in Music Theory 3. | 3       |
| MUTH 655 | Seminar in Music Theory 4. | 3       |
| MUTH 656 | Seminar in Music Theory 5. | 3       |
| MUTH 657 | Seminar in Music Theory 6. | 3       |

3 credits from the following:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 658 | History of Music Theory 1. | 3       |
| MUTH 659 | History of Music Theory 2. | 3       |

3 credits of:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| WMST 602 | Feminist Research Symposium. | 3       |

Or a 3 credit seminar at the 600 level or higher, on gender/women's issues, which may be selected from within or outside the Schulich School of Music. The selection must be approved by the Theory Area.

## Sound Recording (Non-Thesis) (M.Mus.) (60 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 60

### Program Description

The M.Mus. in Sound Recording; Non-Thesis 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, hands-on opportunities to record a broad spectrum of solo recitals, large opera, and symphonic repertoire with soloists and choirs, as well as complex jazz band and pop idioms.

Students are admitted to the M.Mus. in Sound Recording; Non-Thesis may be required to successfully complete one or more undergraduate course(s) before the beginning of the Master's program.

### Required Courses (60 credits)

Expand allContract all

| Course     | Title                              | Credits |
|------------|------------------------------------|---------|
| MUSR 629D1 | Technical Ear Training.            | 2       |
| MUSR 629D2 | Technical Ear Training.            | 2       |
| MUSR 631D1 | Advanced Technical Ear Training.   | 2       |
| MUSR 631D2 | Advanced Technical Ear Training.   | 2       |
| MUSR 667   | Digital Studio Technology.         | 3       |
| MUSR 668   | Digital/Analog Audio Editing.      | 3       |
| MUSR 669D1 | Topics: Classical Music Recording. | 1.5     |

|            |                                               |     |
|------------|-----------------------------------------------|-----|
| MUSR 669D2 | Topics: Classical Music Recording.            | 1.5 |
| MUSR 670D1 | Recording Theory and Practice 1.              | 5   |
| MUSR 670D2 | Recording Theory and Practice 1.              | 5   |
| MUSR 671D1 | Recording Theory and Practice 2.              | 5   |
| MUSR 671D2 | Recording Theory and Practice 2.              | 5   |
| MUSR 672D1 | Analysis of Recordings.                       | 3   |
| MUSR 672D2 | Analysis of Recordings.                       | 3   |
| MUSR 677D1 | Audio for Video Post-Production.              | 3   |
| MUSR 677D2 | Audio for Video Post-Production.              | 3   |
| MUSR 678   | Advanced Digital Editing and Post-Production. | 2   |
| MUSR 691   | Mastering and Restoration.                    | 3   |
| MUSR 692   | Music Production Workshop.                    | 3   |
| MUSR 695   | Techniques of Immersive Sound.                | 3   |

## Performance (M.Mus.): Collaborative Piano (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 45

### Program Description

The M.Mus. in Performance; Collaborative Piano program focuses on the pianist as a collaborative musician in art song, instrumental, and opera répétiteur settings, including coaching responsibilities as well as collaboration with other musicians.

Students admitted to the M.Mus. in Performance; Collaborative Piano program who have undergraduate degrees other than the B.Mus.; Major in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus.; Major in Performance Piano from McGill University may be required to successfully complete MUPD 560 Music Information and Research Skills. before completion of the Master's program.

### Required Courses (23 credits)

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| MUEN 584 | Studio Accompanying. <sup>1</sup>                            | 1       |
| MUGS 605 | Graduate Performance Colloquium.                             | 0       |
| MUPG 687 | Collaborative Piano Repertoire 1: Song.                      | 1       |
| MUPG 688 | Collaborative Piano Repertoire 2: Instrumental.              | 1       |
| MUPG 689 | Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio. | 1       |

<sup>1</sup> 2 terms of MUEN 584 Studio Accompanying.

### Thesis Courses

Expand allContract all

| Course     | Title                                | Credits |
|------------|--------------------------------------|---------|
| MUIN 620   | Performance Tutorial 1.              | 3       |
| MUIN 621   | Performance Tutorial 2.              | 3       |
| MUIN 622   | Performance Tutorial 3. <sup>1</sup> | 3       |
| MUIN 622D1 | Performance Tutorial 3. <sup>1</sup> | 1.5     |
| MUIN 622D2 | Performance Tutorial 3. <sup>1</sup> | 1.5     |
| MUPG 600   | Recital Project 1. <sup>2</sup>      | 9       |
| MUPG 653   | Opera Coach Project. <sup>2</sup>    | 9       |

<sup>1</sup> Students may take MUIN 622 Performance Tutorial 3. or MUIN 622D1 Performance Tutorial 3. and MUIN 622D2 Performance Tutorial 3..

<sup>2</sup> Students may take MUPG 653 Opera Coach Project. or MUPG 600 Recital Project 1.

### Complementary Courses (22 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| MUPG 601 | Recital Project 2.                | 9       |
| MUPG 602 | Recital Project 3.                | 6       |
| MUPG 606 | Interdisciplinary Project 1.      | 3       |
| MUPG 614 | Quick Study.                      | 3       |
| MUPG 653 | Opera Coach Project. <sup>1</sup> | 9       |
| MUPG 654 | Opera Coach Performance.          | 6       |

<sup>1</sup> If not already taken.

9 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 9 credits must have a MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH subject code.

4 credits from the following:

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUEN 540 | Chamber Music Project 1.    | 0.5     |
| MUEN 541 | Chamber Music Project 2.    | 0.5     |
| MUEN 553 | Vocal Chamber Ensemble.     | 1       |
| MUEN 560 | Chamber Music Ensemble.     | 1       |
| MUEN 561 | 2nd Chamber Music Ensemble. | 1       |
| MUEN 569 | Tabla Ensemble.             | 1       |
| MUEN 579 | Song Interpretation 2.      | 1       |
| MUEN 580 | Early Music Ensemble.       | 1       |
| MUEN 584 | Studio Accompanying.        | 1       |
| MUEN 585 | Sonata Masterclass.         | 1       |
| MUEN 596 | Opera Repetiteur.           | 2       |
| MUPG 670 | Advanced Continuo 1.        | 2       |
| MUPG 671 | Advanced Continuo 2.        | 2       |

# Performance (M.Mus.): Conducting (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)  
**Degree:** Master of Music  
**Program credit weight:** 45

## Program Description

The M.Mus. in Performance; Conducting program allows students to specialize in instrument or choral conducting. 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.

Students admitted to the M.Mus. in Performance; Conducting program who have undergraduate degrees other than the B.Mus. from McGill University may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus. degree from McGill University may be required to successfully complete MUPD 560 Music Information and Research Skills., some diction courses, orchestration classes and a keyboard course before completion of the Master's program.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| MUGS 605 | Graduate Performance Colloquium.     | 0       |
| MUPG 580 | Rehearsal Techniques for Conductors. | 1.5     |

<sup>1</sup> 2 terms of MUPG 580 Rehearsal Techniques for Conductors.

## Thesis Courses

Expand allContract all

| Course   | Title                  | Credits |
|----------|------------------------|---------|
| MUIN 630 | Conducting Tutorial 1. | 3       |
| MUIN 631 | Conducting Tutorial 2. | 3       |
| MUIN 632 | Conducting Tutorial 3. | 3       |
| MUPG 600 | Recital Project 1.     | 9       |
| MUPG 601 | Recital Project 2.     | 9       |

## Complementary Courses (15 credits)

9 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 9 credits must have a MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH subject code.

6 credits (3 terms) of:

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| MUEN 572 | Cappella Antica.   | 2       |
| MUEN 573 | Baroque Orchestra. | 2       |

|          |                              |   |
|----------|------------------------------|---|
| MUEN 590 | McGill Wind Orchestra.       | 2 |
| MUEN 592 | Chamber Jazz Ensemble.       | 2 |
| MUEN 593 | Choral Ensembles.            | 2 |
| MUEN 594 | Contemporary Music Ensemble. | 2 |
| MUEN 595 | Jazz Ensembles.              | 2 |
| MUEN 597 | McGill Symphony Orchestra.   | 2 |

# Performance (M.Mus.): Early Music (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)  
**Degree:** Master of Music  
**Program credit weight:** 45

## Program Description

The Master of Music in Performance; Early Music program offers early music instrumentalists and vocalists instruction and performance experiences of a rich variety, as well as studies in historical performance practice.

Students admitted to the M.Mus. in Performance; Early Music program who have undergraduate degrees other than the B.Mus.; Major in Early Music Performance (Voice) or B.Mus.; Major in Early Music Performance (Baroque Violin, Viola, Cello, Viola da Gamba, Flute, Recorder, Oboe, Organ, Harpsichord and Early Brass Instruments) from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus.; Major Early Music Performance degree from McGill University may be required to successfully complete MUPD 560 Music Information and Research Skills. before completion of the Master's program.

## Required Courses (21 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MUEN 580 | Early Music Ensemble.            | 1       |
| MUGS 605 | Graduate Performance Colloquium. | 0       |

<sup>1</sup> 3 terms of MUEN 580 Early Music Ensemble.

## Thesis Courses

Expand allContract all

| Course     | Title                   | Credits |
|------------|-------------------------|---------|
| MUIN 620   | Performance Tutorial 1. | 3       |
| MUIN 621   | Performance Tutorial 2. | 3       |
| MUIN 622   | Performance Tutorial 3. | 3       |
| MUIN 622D1 | Performance Tutorial 3. | 1.5     |
| MUIN 622D2 | Performance Tutorial 3. | 1.5     |
| MUPG 600   | Recital Project 1.      | 9       |

<sup>1</sup> Students may take MUIN 622 Performance Tutorial 3. or MUIN 622D1 Performance Tutorial 3. and MUIN 622D2 Performance Tutorial 3..



## Complementary Courses (24 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| MUPG 601 | Recital Project 2.                        | 9       |
| MUPG 602 | Recital Project 3.                        | 6       |
| MUPG 603 | Recital Project 4.                        | 3       |
| MUPG 604 | Chamber Music Recital.                    | 6       |
| MUPG 606 | Interdisciplinary Project 1. <sup>1</sup> | 3       |
| MUPG 607 | Interdisciplinary Project 2. <sup>1</sup> | 6       |
| MUPG 614 | Quick Study.                              | 3       |

<sup>1</sup> If chosen, students may take either MUPG 606 Interdisciplinary Project 1. or MUPG 607 Interdisciplinary Project 2..

6 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 6 credits must have a MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH subject code.

3 credits from the following:

Expand allContract all

| Course     | Title                                                   | Credits |
|------------|---------------------------------------------------------|---------|
| MUHL 591D1 | Paleography.                                            | 1.5     |
| MUHL 591D2 | Paleography.                                            | 1.5     |
| MUPG 575D1 | Organ Repertoire and Performance Practice.              | 1.5     |
| MUPG 575D2 | Organ Repertoire and Performance Practice. <sup>1</sup> | 1.5     |
| MUPG 590   | Vocal Styles and Conventions.                           | 3       |
| MUPG 691   | Vocal Ornamentation.                                    | 3       |
| MUTH 602   | Keyboard Modal Counterpoint.                            | 3       |

<sup>1</sup> If not already taken

Students take 6 credits from either Instruments or Voice from the following:

### Instruments

6 credits from the following:

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| MUEN 569 | Tabla Ensemble.    | 1       |
| MUEN 572 | Cappella Antica.   | 2       |
| MUEN 573 | Baroque Orchestra. | 2       |

OR

### Voice

3 credits from the following:

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| MUIN 610 | Vocal Coaching 1. | 1       |
| MUIN 611 | Vocal Coaching 2. | 1       |
| MUIN 612 | Vocal Coaching 3. | 1       |

3 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUEN 553 | Vocal Chamber Ensemble.      | 1       |
| MUEN 569 | Tabla Ensemble.              | 1       |
| MUEN 572 | Cappella Antica.             | 2       |
| MUEN 579 | Song Interpretation 2.       | 1       |
| MUEN 593 | Choral Ensembles.            | 2       |
| MUEN 654 | Opera Repertoire Experience. | 1       |
| MUEN 696 | Opera Theatre.               | 1       |

## Performance (M.Mus.): Jazz Performance (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 45

### Program Description

The M.Mus. Performance; Jazz program is flexibly designed to offer specialization in Jazz Composition, Jazz Performance, or Jazz Orchestra, including jazz pedagogy, composition, and arranging. A recital and a recording of original music are the principal thesis requirements.

Students admitted to the M.Mus. Performance; Jazz program who have undergraduate degrees other than the B.Mus.; Major in Performance; Jazz from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree.

### Required Course (3 credits)

Expand allContract all

| Course   | Title          | Credits |
|----------|----------------|---------|
| MUJZ 601 | Jazz Pedagogy. | 3       |

### Required Thesis Courses (27 credits)

9 credits from:

Expand allContract all

| Course   | Title                                                 | Credits |
|----------|-------------------------------------------------------|---------|
| MUIN 626 | Jazz Performance/Composition Tutorial 1.              | 3       |
| MUIN 627 | Jazz Performance/Composition Tutorial 2. <sup>1</sup> | 3       |
| MUIN 628 | Jazz Performance/Composition Tutorial 3.              | 3       |

|            |                                          |                  |
|------------|------------------------------------------|------------------|
| MUIN 628D1 | Jazz Performance/Composition Tutorial 3. | <sup>1</sup> 1.5 |
| MUIN 628D2 | Jazz Performance/Composition Tutorial 3. | <sup>1</sup> 1.5 |

<sup>1</sup> Students may take MUIN 628 Jazz Performance/Composition Tutorial 3. or MUIN 628D1 Jazz Performance/Composition Tutorial 3. and MUIN 628D2 Jazz Performance/Composition Tutorial 3..

18 credits from one of the following:

## Jazz Performance

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| MUPG 651 | Performance/Composition Recital Project. | 9       |
| MUPG 659 | Performance in Recording Media.          | 9       |

OR

## Jazz Composition and Arranging

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| MUPG 652 | Jazz Ensemble Recital Project.  | 9       |
| MUPG 659 | Performance in Recording Media. | 9       |

OR

## Jazz Orchestra

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| MUPG 651 | Performance/Composition Recital Project. | 9       |
| MUPG 652 | Jazz Ensemble Recital Project.           | 9       |

## Complementary Courses (15 credits)

15 credits from one of the following streams:

### Jazz Performance Stream

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| MUJZ 640 | Jazz Composition and Arranging 1.    | 2       |
| MUJZ 641 | Jazz Composition and Arranging 2.    | 2       |
| MUPG 695 | Graduate Jazz Improvisation Seminar. | 3       |

3 credits of a seminar at the 600-level or higher, approved by the Department.

5 credits of ensembles, at the 500 level or above, with the prefix MUEN (4 credits must be in jazz related ensembles). MUPG 572D1 Free Improvisation 2./MUPG 572D2 Free Improvisation 2. can be substituted for 1 credit of jazz ensemble.

OR

### Jazz Composition and Arranging Stream

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| MUJZ 640 | Jazz Composition and Arranging 1. | 2       |
| MUJZ 641 | Jazz Composition and Arranging 2. | 2       |

6 credits of seminars at the 600-level or higher, approved by the Schulich School of Music.

5 credits of ensembles, at the 500 level or above, with the prefix MUEN (4 credits must be in jazz related ensembles). MUPG 572D1 Free Improvisation 2./MUPG 572D2 Free Improvisation 2. can be substituted for 1 credit of jazz ensemble.

OR

### Jazz Orchestra Stream

4 credits from the following:

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| MUJZ 640 | Jazz Composition and Arranging 1. | 2       |
| MUJZ 641 | Jazz Composition and Arranging 2. | 2       |
| MUJZ 644 | Jazz Repertoire Project 1.        | 2       |
| MUJZ 645 | Jazz Repertoire Project 2.        | 2       |

3 credits of a seminar at the 600 level or higher, approved by the Schulich School of Music.

8 credits of ensembles at the 500 level or above, with the prefix MUEN (4 credits must be in jazz related ensembles). MUPG 572D1 Free Improvisation 2./MUPG 572D2 Free Improvisation 2. can be substituted for 1 credit of jazz ensemble.

## Performance (M.Mus.): Opera and Voice (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 45

## Program Description

The M.Mus. in Performance; Opera and Voice program blends performance training with humanities-based scholarship in a vibrant musical environment. The program provides opportunities to develop artistry in a variety of solo and operatic repertoires.

Students admitted to the M.Mus. in Performance; Opera and Voice program who have undergraduate degrees other than B.Mus.; Major in Performance Voice from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus.; Major in Performance Voice degree from McGill University may be required to successfully complete MUPD 560 Music Information and Research Skills. before completion of the Master's program.

## Required Courses (21 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MUGS 605 | Graduate Performance Colloquium. | 0       |
| MUIN 610 | Vocal Coaching 1.                | 1       |
| MUIN 611 | Vocal Coaching 2.                | 1       |
| MUIN 612 | Vocal Coaching 3.                | 1       |

## Thesis Courses

Expand allContract all

| Course     | Title                   | Credits |
|------------|-------------------------|---------|
| MUIN 620   | Performance Tutorial 1. | 3       |
| MUIN 621   | Performance Tutorial 2. | 3       |
| MUIN 622   | Performance Tutorial 3. | 3       |
| MUIN 622D1 | Performance Tutorial 3. | 1.5     |
| MUIN 622D2 | Performance Tutorial 3. | 1.5     |
| MUPG 600   | Recital Project 1.      | 9       |

<sup>1</sup> Students may take MUIN 622 Performance Tutorial 3. or MUIN 622D1 Performance Tutorial 3. and MUIN 622D2 Performance Tutorial 3..

## Complementary Courses (24 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUPG 601 | Recital Project 2.           | 9       |
| MUPG 602 | Recital Project 3.           | 6       |
| MUPG 603 | Recital Project 4.           | 3       |
| MUPG 606 | Interdisciplinary Project 1. | 3       |
| MUPG 614 | Quick Study.                 | 3       |

6 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 6 credits must have a MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH subject code.

3 credits from the following:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| MUPG 590 | Vocal Styles and Conventions. | 3       |
| MUPG 691 | Vocal Ornamentation.          | 3       |

<sup>1</sup> If not already taken.

6 credits from the following:

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| MUEN 540 | Chamber Music Project 1. | 0.5     |
| MUEN 541 | Chamber Music Project 2. | 0.5     |
| MUEN 553 | Vocal Chamber Ensemble.  | 1       |
| MUEN 560 | Chamber Music Ensemble.  | 1       |

|          |                              |   |
|----------|------------------------------|---|
| MUEN 572 | Cappella Antica.             | 2 |
| MUEN 579 | Song Interpretation 2.       | 1 |
| MUEN 580 | Early Music Ensemble.        | 1 |
| MUEN 593 | Choral Ensembles.            | 2 |
| MUEN 654 | Opera Repertoire Experience. | 1 |
| MUEN 696 | Opera Theatre.               | 1 |

## Performance (M.Mus.): Orchestral Instruments, Guitar (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 45

## Program Description

The M.Mus. Performance; Orchestral Instruments, Guitar program provides instrumentalists and guitarists with the opportunity to hone their artistry and expressive, interpretive skills. The program combines performance with seminars in performance practice in the broader humanistic and scientific contexts of music and artistic research-creation.

Students admitted to the M.Mus. Performance; Orchestral Instruments, Guitar program who have undergraduate degrees other than the B.Mus.; Major Performance (Orchestral Instruments) or B.Mus. Major in Performance (Organ, Harpsichord, Guitar) from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus.; Major in Performance (Orchestral Instruments) or a B.Mus.; Major in Performance; (Organ, Harpsichord, Guitar) degree from McGill University may be required to successfully complete MUPD 560 Music Information and Research Skills. before completion of the Master's program.

## Required Courses (18 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MUGS 605 | Graduate Performance Colloquium. | 0       |

## Thesis Courses

Expand allContract all

| Course     | Title                   | Credits |
|------------|-------------------------|---------|
| MUIN 620   | Performance Tutorial 1. | 3       |
| MUIN 621   | Performance Tutorial 2. | 3       |
| MUIN 622   | Performance Tutorial 3. | 3       |
| MUIN 622D1 | Performance Tutorial 3. | 1.5     |
| MUIN 622D2 | Performance Tutorial 3. | 1.5     |
| MUPG 600   | Recital Project 1.      | 9       |

<sup>1</sup> Students may take MUIN 622 Performance Tutorial 3. or MUIN 622D1 Performance Tutorial 3. and MUIN 622D2 Performance Tutorial 3..

## Complementary Courses (27 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| MUPG 601 | Recital Project 2. <sup>1</sup>           | 9       |
| MUPG 602 | Recital Project 3.                        | 6       |
| MUPG 603 | Recital Project 4.                        | 3       |
| MUPG 604 | Chamber Music Recital.                    | 6       |
| MUPG 606 | Interdisciplinary Project 1. <sup>1</sup> | 3       |
| MUPG 607 | Interdisciplinary Project 2. <sup>1</sup> | 6       |
| MUPG 608 | Orchestral Repertoire Examination 1.      | 3       |
| MUPG 609 | Orchestral Repertoire Examination 2.      | 6       |
| MUPG 610 | Orchestral Repertoire Examination 3.      | 9       |

<sup>1</sup> If chosen, students may take MUPG 606 Interdisciplinary Project 1. or MUPG 607 Interdisciplinary Project 2.

9 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 9 credits must have a MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH subject code.

Students take 9 credits from either Guitar or Orchestral Instruments courses from the following:

### Guitar

3 credits (three terms) of:

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| MUEN 562 | Guitar Ensemble. | 1       |

3-6 credits from the following:

Expand allContract all

| Course     | Title                                 | Credits |
|------------|---------------------------------------|---------|
| MUEN 540   | Chamber Music Project 1. <sup>1</sup> | 0.5     |
| MUEN 541   | Chamber Music Project 2. <sup>1</sup> | 0.5     |
| MUEN 560   | Chamber Music Ensemble.               | 1       |
| MUEN 561   | 2nd Chamber Music Ensemble.           | 1       |
| MUEN 568   | Multiple Ensemble 1.                  | 1       |
| MUEN 569   | Tabla Ensemble.                       | 1       |
| MUPG 571   | Free Improvisation 1. <sup>1</sup>    | 1       |
| MUPG 572D1 | Free Improvisation 2. <sup>1</sup>    | 0.5     |
| MUPG 572D2 | Free Improvisation 2. <sup>1</sup>    | 0.5     |

<sup>1</sup> May be taken only once.

0-3 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings.

OR

## Orchestral Instruments

6 credits (three terms) from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUEN 573 | Baroque Orchestra.           | 2       |
| MUEN 590 | McGill Wind Orchestra.       | 2       |
| MUEN 594 | Contemporary Music Ensemble. | 2       |
| MUEN 597 | McGill Symphony Orchestra.   | 2       |

And 3 credits from either Strings, Winds and Brass, or Percussion, or Harp:

## Strings, Winds and Brass

2 credits (two terms) from the following:

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| MUEN 560 | Chamber Music Ensemble. | 1       |
| MUEN 591 | Brass Consort.          | 1       |

1 credit from the following:

Expand allContract all

| Course     | Title                                 | Credits |
|------------|---------------------------------------|---------|
| MUEN 540   | Chamber Music Project 1.              | 0.5     |
| MUEN 541   | Chamber Music Project 2. <sup>1</sup> | 0.5     |
| MUEN 560   | Chamber Music Ensemble.               | 1       |
| MUEN 561   | 2nd Chamber Music Ensemble.           | 1       |
| MUEN 568   | Multiple Ensemble 1.                  | 1       |
| MUEN 569   | Tabla Ensemble.                       | 1       |
| MUEN 585   | Sonata Masterclass.                   | 1       |
| MUEN 591   | Brass Consort.                        | 1       |
| MUEN 599   | Jazz Studio Orchestra.                | 1       |
| MUPG 571   | Free Improvisation 1. <sup>1</sup>    | 1       |
| MUPG 572D1 | Free Improvisation 2. <sup>1</sup>    | 0.5     |
| MUPG 572D2 | Free Improvisation 2. <sup>1</sup>    | 0.5     |

## Percussion

1 credit of:

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| MUEN 598 | Percussion Ensembles. | 1       |

2 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| MUEN 540 | Chamber Music Project 1. <sup>1</sup> | 0.5     |
| MUEN 541 | Chamber Music Project 2. <sup>1</sup> | 0.5     |
| MUEN 560 | Chamber Music Ensemble.               | 1       |
| MUEN 561 | 2nd Chamber Music Ensemble.           | 1       |
| MUEN 568 | Multiple Ensemble 1.                  | 1       |

|            |                       |     |
|------------|-----------------------|-----|
| MUEN 569   | Tabla Ensemble.       | 1   |
| MUEN 598   | Percussion Ensembles. | 1   |
| MUPG 571   | Free Improvisation 1. | 1   |
| MUPG 572D1 | Free Improvisation 2. | 0.5 |
| MUPG 572D2 | Free Improvisation 2. | 0.5 |

<sup>1</sup> May be taken only once.

## Harp

3 credits from the following:

| Course     | Title                       | Credits |
|------------|-----------------------------|---------|
| MUEN 540   | Chamber Music Project 1.    | 0.5     |
| MUEN 541   | Chamber Music Project 2.    | 0.5     |
| MUEN 560   | Chamber Music Ensemble.     | 1       |
| MUEN 561   | 2nd Chamber Music Ensemble. | 1       |
| MUEN 568   | Multiple Ensemble 1.        | 1       |
| MUEN 569   | Tabla Ensemble.             | 1       |
| MUPG 571   | Free Improvisation 1.       | 1       |
| MUPG 572D1 | Free Improvisation 2.       | 0.5     |
| MUPG 572D2 | Free Improvisation 2.       | 0.5     |

<sup>1</sup> May be taken only once.

## Performance (M.Mus.): Organ (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 45

### Program Description

The M.Mus. in Performance; Organ program provides organists with the opportunity to hone their artistry and interpretive skills. The program combines performance with seminars in historically informed performance practice, music and liturgy, counterpoint, improvisation, and continuo playing, among other options.

Students admitted to the M.Mus. in Performance; Organ program who have undergraduate degrees other than the B.Mus.; Major in Performance (Organ, Harpsichord, Guitar) from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus.; Major Performance (Organ, Harpsichord, Guitar) degree from McGill University may be required to successfully complete MUPD 560 Music Information and Research Skills. before completion of the Master's program.

### Required Courses (21 credits)

Expand allContract all

| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| MUGS 605   | Graduate Performance Colloquium.           | 0       |
| MUPG 575D1 | Organ Repertoire and Performance Practice. | 1.5     |
| MUPG 575D2 | Organ Repertoire and Performance Practice. | 1.5     |

### Thesis Courses

Expand allContract all

| Course     | Title                   | Credits |
|------------|-------------------------|---------|
| MUIN 620   | Performance Tutorial 1. | 3       |
| MUIN 621   | Performance Tutorial 2. | 3       |
| MUIN 622   | Performance Tutorial 3. | 3       |
| MUIN 622D1 | Performance Tutorial 3. | 1.5     |
| MUIN 622D2 | Performance Tutorial 3. | 1.5     |
| MUPG 600   | Recital Project 1.      | 9       |

<sup>1</sup> Students may take MUIN 622 Performance Tutorial 3. or MUIN 622D1 Performance Tutorial 3. and MUIN 622D2 Performance Tutorial 3..

## Complementary Courses (24 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MUPG 601 | Recital Project 2.               | 9       |
| MUPG 602 | Recital Project 3.               | 6       |
| MUPG 603 | Recital Project 4.               | 3       |
| MUPG 606 | Interdisciplinary Project 1.     | 3       |
| MUPG 607 | Interdisciplinary Project 2.     | 6       |
| MUPG 676 | Special Project in Church Music. | 9       |

6 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 6 credits must have a MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH subject code.

3 credits from the following:

Expand allContract all

| Course     | Title                        | Credits |
|------------|------------------------------|---------|
| MUHL 591D1 | Paleography.                 | 1.5     |
| MUHL 591D2 | Paleography.                 | 1.5     |
| MUTH 602   | Keyboard Modal Counterpoint. | 3       |
| MUTH 604   | Keyboard Tonal Counterpoint. | 3       |

or a 3-credit seminar at the 500 level or higher, approved by the Schulich School of Music.

6 credits from the following:

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| MUEN 540 | Chamber Music Project 1. | 0.5     |
| MUEN 541 | Chamber Music Project 2. | 0.5     |



|            |                                                         |     |
|------------|---------------------------------------------------------|-----|
| MUEN 560   | Chamber Music Ensemble. <sup>1</sup>                    | 1   |
| MUEN 561   | 2nd Chamber Music Ensemble. <sup>1</sup>                | 1   |
| MUEN 569   | Tabla Ensemble. <sup>1</sup>                            | 1   |
| MUEN 573   | Baroque Orchestra. <sup>1</sup>                         | 2   |
| MUEN 580   | Early Music Ensemble. <sup>1</sup>                      | 1   |
| MUEN 593   | Choral Ensembles. <sup>1</sup>                          | 2   |
| MUEN 594   | Contemporary Music Ensemble. <sup>1</sup>               | 2   |
| MUEN 597   | McGill Symphony Orchestra. <sup>1</sup>                 | 2   |
| MUHL 591D1 | Paleography.                                            | 1.5 |
| MUHL 591D2 | Paleography.                                            | 1.5 |
| MUPG 575D1 | Organ Repertoire and Performance Practice. <sup>1</sup> | 1.5 |
| MUPG 575D2 | Organ Repertoire and Performance Practice. <sup>1</sup> | 1.5 |
| MUTH 602   | Keyboard Modal Counterpoint.                            | 3   |
| MUTH 604   | Keyboard Tonal Counterpoint.                            | 3   |

<sup>1</sup> May be taken more than once.

## Performance (M.Mus.): Piano (Thesis) (45 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** Master of Music

**Program credit weight:** 45

### Program Description

The M.Mus.; Performance Piano program blends performance training with humanities-based scholarship in a vibrant musical environment. The program provides opportunities for chamber music and a range of recital options including solo and chamber music performance, sound recording, and creative interdisciplinary projects.

Students admitted to the M.Mus.; in Performance; Piano program who have undergraduate degrees other than the B.Mus.; Major in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's degree. Students with a B.Mus.; Major in Performance Piano degree from McGill University may be required to successfully complete MUPD 560 Music Information and Research Skills. before completion of the Master's program.

### Required Courses (21 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| MUGS 605 | Graduate Performance Colloquium. | 0       |
| MUPG 683 | Piano Seminar 1.                 | 1.5     |
| MUPG 684 | Piano Seminar 2.                 | 1.5     |

### Thesis Courses

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| MUIN 620 | Performance Tutorial 1. | 3       |
| MUIN 621 | Performance Tutorial 2. | 3       |

|            |                                      |     |
|------------|--------------------------------------|-----|
| MUIN 622   | Performance Tutorial 3. <sup>1</sup> | 3   |
| MUIN 622D1 | Performance Tutorial 3. <sup>1</sup> | 1.5 |
| MUIN 622D2 | Performance Tutorial 3. <sup>1</sup> | 1.5 |
| MUPG 600   | Recital Project 1.                   | 9   |

<sup>1</sup> Students may take MUIN 622 Performance Tutorial 3. or MUIN 622D1 Performance Tutorial 3. and MUIN 622D2 Performance Tutorial 3..

## Complementary Courses (24 credits)

9 credits from the following:

Expand allContract all

| Course   | Title                                     | Credits |
|----------|-------------------------------------------|---------|
| MUPG 601 | Recital Project 2.                        | 9       |
| MUPG 602 | Recital Project 3.                        | 6       |
| MUPG 603 | Recital Project 4.                        | 3       |
| MUPG 604 | Chamber Music Recital.                    | 6       |
| MUPG 606 | Interdisciplinary Project 1. <sup>1</sup> | 3       |
| MUPG 607 | Interdisciplinary Project 2. <sup>1</sup> | 6       |

<sup>1</sup> If chosen, students may take either MUPG 606 Interdisciplinary Project 1. or MUPG 607 Interdisciplinary Project 2..

9 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 9 credits must have a MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH subject code.

6 credits from the following:

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUEN 540 | Chamber Music Project 1.     | 0.5     |
| MUEN 541 | Chamber Music Project 2.     | 0.5     |
| MUEN 553 | Vocal Chamber Ensemble.      | 1       |
| MUEN 560 | Chamber Music Ensemble.      | 1       |
| MUEN 561 | 2nd Chamber Music Ensemble.  | 1       |
| MUEN 568 | Multiple Ensemble 1.         | 1       |
| MUEN 569 | Tabla Ensemble.              | 1       |
| MUEN 578 | Song Interpretation 1.       | 1       |
| MUEN 579 | Song Interpretation 2.       | 1       |
| MUEN 582 | Piano Ensembles.             | 1       |
| MUEN 584 | Studio Accompanying.         | 1       |
| MUEN 585 | Sonata Masterclass.          | 1       |
| MUEN 588 | Multiple Ensemble 2.         | 1       |
| MUEN 590 | McGill Wind Orchestra.       | 2       |
| MUEN 594 | Contemporary Music Ensemble. | 2       |
| MUEN 597 | McGill Symphony Orchestra.   | 2       |
| MUEN 688 | Multiple Ensembles.          | 2       |
| MUPD 580 | Piano Pedagogy Practicum.    | 2       |

|            |                                                              |     |
|------------|--------------------------------------------------------------|-----|
| MUPG 571   | Free Improvisation 1.                                        | 1   |
| MUPG 572D1 | Free Improvisation 2.                                        | 0.5 |
| MUPG 572D2 | Free Improvisation 2.                                        | 0.5 |
| MUPG 670   | Advanced Continuo 1.                                         | 2   |
| MUPG 670D1 | Advanced Continuo 1.                                         | 1   |
| MUPG 670D2 | Advanced Continuo 1.                                         | 1   |
| MUPG 671   | Advanced Continuo 2.                                         | 2   |
| MUPG 671D1 | Advanced Continuo 2.                                         | 1   |
| MUPG 671D2 | Advanced Continuo 2.                                         | 1   |
| MUPG 687   | Collaborative Piano Repertoire 1: Song.                      | 1   |
| MUPG 688   | Collaborative Piano Repertoire 2: Instrumental.              | 1   |
| MUPG 689   | Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio. | 1   |

## Music: Composition (D.Mus.)

**Offered by:** Music (Schulich School of Music)

**Degree:** Doctor of Music

### Program Description

The D.Mus. in Music; Composition offers private instruction with some of Canada's most accomplished composers as well as studies in different compositional methods and technologies.

Students admitted to the D.Mus. in Music; Composition program who have a master's degree other than the M.Mus. in Music; Composition from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the doctoral program.

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 website at: <http://www.mcgill.ca/music/programs>.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUCO 710 | General Examinations.       | 0       |
| MUGS 701 | Comprehensive Examinations. | 0       |

12 credits (two years) of:

Expand allContract all

| Course     | Title                          | Credits |
|------------|--------------------------------|---------|
| MUCO 722D1 | Doctoral Composition Tutorial. | 3       |
| MUCO 722D2 | Doctoral Composition Tutorial. | 3       |

## Complementary Courses (12 credits)

12 credits of seminars at the 600 level or higher, approved by the Schulich School of Music.

### 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.

## Music: Performance Studies (D.Mus.)

**Offered by:** Music (Schulich School of Music)

**Degree:** Doctor of Music

### Program Description

The Doctor of Music (D.Mus.); Performance Studies focuses on practice through in-depth research in areas linked to performance. The program includes a doctoral project that is completed through artistic research or research papers choices. Live performance requirements are part of both choices.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Recitals (36 credits)

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| MUPG 760 | Doctoral Recital 1.     | 12      |
| MUPG 767 | Doctoral Recital 2.     | 12      |
| MUPG 771 | Doctoral Final Project. | 12      |

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| MUGS 701 | Comprehensive Examinations.        | 0       |
| MUGS 711 | Performance Doctoral Colloquium 1. | 0       |
| MUPD 650 | Research Methods in Music.         | 3       |

## Performance Tutorials

one hour per week.

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MUIN 720 | D.Mus. Performance Tutorial 1. | 4       |
| MUIN 721 | D.Mus. Performance Tutorial 2. | 4       |
| MUIN 722 | D.Mus. Performance Tutorial 3. | 4       |
| MUIN 723 | D.Mus. Performance Tutorial 4. | 4       |
| MUIN 724 | D.Mus. Performance Tutorial 5. | 4       |
| MUIN 725 | D.Mus. Performance Tutorial 6. | 4       |

OR

one and a half (1.5) hours per week

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| MUIN 730 | D.Mus. Performance Tutorial 8.  | 6       |
| MUIN 731 | D.Mus. Performance Tutorial 9.  | 6       |
| MUIN 732 | D.Mus. Performance Tutorial 10. | 6       |
| MUIN 733 | D.Mus. Performance Tutorial 11. | 6       |

## Complementary Courses

12 - 20 credits

12 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 12 credits must have a MUGS, MUGT, MUHL MUMT, or MUTH course code. Up to 3 of the 12 credits may be replaced with a supervised special project approved by the advisory committee, departmental chair and the Associate Dean of Graduate Studies in Music.

0-8 credits from (Voice Candidates only: Vocal Repertoire Coaching):

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| MUIN 700 | Doctoral Repertoire Coaching 1. | 2       |
| MUIN 701 | Doctoral Repertoire Coaching 2. | 2       |
| MUIN 702 | Doctoral Repertoire Coaching 3. | 2       |
| MUIN 703 | Doctoral Repertoire Coaching 4. | 2       |

# Music (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Interdisciplinary Studies and Applied Performance Sciences) (Ph.D.)

**Offered by:** Music (Schulich School of Music)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Music is offered in eight different topic areas: Musicology, Music Theory, Music Technology, Music Education, Sound Recording, Composition, Interdisciplinary Studies and Applied Performance Sciences.

Students admitted to the Ph.D.; Music program who have a master's degree other than a master's degree in music from McGill University may be required to successfully complete one or more undergraduate courses before completion of the doctoral degree.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Language Reading Requirements

No foreign-language reading examinations required in Sound Recording, Interdisciplinary Studies, Music Education, Music Technology, Musicology and Applied Performance Sciences.

## Composition/Music Theory

One foreign-language reading examination required. Students whose mother tongue is French are exempt from the French Reading Exam.

## Required Courses

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MUGS 701 | Comprehensive Examinations. | 0       |
| MUGS 705 | Colloquium.                 | 0       |

## Complementary Courses (0-30 credits)

### Students entering in Ph.D. 1

15 credits of seminars at the 600 level or higher, approved by the Department. For Music Theory students, 0-6 credits will be selected from the following if not taken previously or equivalent courses:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 658 | History of Music Theory 1. | 3       |
| MUTH 659 | History of Music Theory 2. | 3       |

0-15 credits of additional seminars at the 600 or higher, will be assigned by the Associate Dean of Graduate Studies in Music in consultation with the area coordinator, or the admissions committee for students in Interdisciplinary Studies or in Applied Performance Sciences, at the time of the admissions.

## Students entering in Ph.D. 2

0-15 credits of seminars at the 600 level or higher will be assigned by the Associate Dean of Graduate Studies in Music in consultation with the area coordinator, or the admissions committee for students in Interdisciplinary Studies or in Applied Performance Sciences, at the time of the admissions. The selection must be approved by the Schulich School of Music. For Music Theory students, 0-6 credits will be selected from the following if not taken previously or equivalent courses:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUTH 658 | History of Music Theory 1. | 3       |
| MUTH 659 | History of Music Theory 2. | 3       |

24 credits; Composition students entering in Ph.D. 2 only:

12 credits of seminars at the 600 level or higher

One semester of:

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| MUCO 710 | General Examinations. | 0       |

12 credits (two years) of:

Expand allContract all

| Course     | Title                          | Credits |
|------------|--------------------------------|---------|
| MUCO 722D1 | Doctoral Composition Tutorial. | 3       |
| MUCO 722D2 | Doctoral Composition Tutorial. | 3       |

## Composition students only: 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.

### Composition students only:

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| MUCO 710 | General Examinations. | 0       |

### Sound Recording students only:

Expand allContract all

| Course   | Title                   | Credits |
|----------|-------------------------|---------|
| MUSR 690 | Special Field Research. | 3       |

### Music Theory students only:

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| MUTH 710 | Teaching Practicum.   | 0       |
| MUTH 711 | General Examinations. | 0       |

## Music: Gender and Women's Studies (Ph.D.)

**Offered by:** Music (Schulich School of Music)

**Degree:** Doctor of Philosophy

## Program Description

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. This program is offered in collaboration with the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University.

Students admitted to the PhD in Music who have a master's degree other than a master's degree in music from McGill University may be required to successfully complete one or more undergraduate course(s) before completion of the doctoral program.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

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 website at: <http://www.mcgill.ca/music/programs>.

## Language Reading Requirements

### Musicology

No language requirement.

### Music Theory

One foreign language required. Students whose mother tongue is French are exempt from the French Language Reading examination.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MUGS 701 | Comprehensive Examinations.    | 0       |
| MUGS 705 | Colloquium.                    | 0       |
| WMST 601 | Feminist Theories and Methods. | 3       |
| WMST 602 | Feminist Research Symposium.   | 3       |

## Complementary Courses (12-27 credits)

### Students entering in Ph.D. 1

27 credits of seminars at the 600 level or higher, approved by the Department (3 of the 27 credits must be in gender/women's studies, taken in the Schulich School of Music or outside and approved by the Musicology or Theory area.

### Students entering in Ph.D. 2

12 credits of seminars at the 600 level or higher, approved by the Schulich School of Music (3 of the 12 credits must be in gender/women's studies, taken in the Schulich School of Music or outside and approved by the Musicology or Theory area).

#### Music Theory students only:

Expand allContract all

| Course   | Title                 | Credits |
|----------|-----------------------|---------|
| MUTH 710 | Teaching Practicum.   | 0       |
| MUTH 711 | General Examinations. | 0       |

## Performance (Gr. Dip.) (30 credits)

**Offered by:** Music (Schulich School of Music)

**Program credit weight:** 30

### Program Description

A one-year graduate performance diploma that allows excellent musicians to refine their technique and master repertoire through intensive coaching, practice, and performance projects. Designed as a polishing diploma, the program prepares musicians for professional careers as soloist, opera singers, collaborative pianists, chamber, jazz and orchestral musicians or for further graduate studies in performance. Flexible program requirements, with range of performance project options including solo, chamber, recording, orchestral auditions, and creative collaborations. Admission is by audition, with candidates having previously completed a B.Mus., a Licentiate, or M.Mus.

### Required Courses (16 credits)

Expand allContract all

| Course   | Title                        | Credits |
|----------|------------------------------|---------|
| MUIN 634 | Graduate Diploma Tutorial 1. | 8       |
| MUIN 635 | Graduate Diploma Tutorial 2. | 8       |

### Complementary Courses (14 credits)

8 credits from the following:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| MUPG 640 | Graduate Diploma Performance Project 1. | 4       |
| MUPG 641 | Graduate Diploma Performance Project 2. | 4       |
| MUPG 642 | Graduate Diploma Performance Project 3. | 8       |

|          |                                             |   |
|----------|---------------------------------------------|---|
| MUPG 643 | Graduate Diploma Interdisciplinary Project. | 4 |
| MUPG 644 | Graduate Diploma Concerto Performance.      | 4 |
| MUPG 645 | Graduate Diploma Recording Project.         | 4 |

6 credits of Performance courses with Schulich School of Music approval from the following:

6 credits of any ensemble courses from the following list for these areas:

Expand allContract all

| Course     | Title                              | Credits |
|------------|------------------------------------|---------|
| MUPG 571   | Free Improvisation 1. <sup>1</sup> | 1       |
| MUPG 572D1 | Free Improvisation 2.              | 0.5     |
| MUPG 572D2 | Free Improvisation 2.              | 0.5     |

<sup>1</sup> Not open to Jazz students

and the additional courses from the following list for these areas:

### Voice

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MUIN 610 | Vocal Coaching 1.              | 1       |
| MUIN 611 | Vocal Coaching 2. <sup>1</sup> | 1       |
| MUPG 590 | Vocal Styles and Conventions.  | 3       |

<sup>1</sup> if not already taken

### Piano

Expand allContract all

| Course   | Title                                                        | Credits |
|----------|--------------------------------------------------------------|---------|
| MUPG 670 | Advanced Continuo 1. <sup>1</sup>                            | 2       |
| MUPG 671 | Advanced Continuo 2. <sup>1</sup>                            | 2       |
| MUPG 683 | Piano Seminar 1.                                             | 1.5     |
| MUPG 684 | Piano Seminar 2.                                             | 1.5     |
| MUPG 687 | Collaborative Piano Repertoire 1: Song. <sup>2</sup>         | 1       |
| MUPG 688 | Collaborative Piano Repertoire 2: Instrumental. <sup>2</sup> | 1       |
| MUPG 689 | Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio. | 1       |

<sup>1</sup> if not already taken

<sup>2</sup> may be repeated with the permission of the instructor

### Chamber Music

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| MUIN 500 | Practical Instruction 1. | 1       |

### Organ

Expand allContract all



| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| MUPG 575D1 | Organ Repertoire and Performance Practice. | 1.5     |
| MUPG 575D2 | Organ Repertoire and Performance Practice. | 1.5     |
| MUPG 670   | Advanced Continuo 1.                       | 2       |
| MUPG 671   | Advanced Continuo 2.                       | 2       |

<sup>1</sup> if not already taken

One 3-credit seminar at the 500 or 600 level approved by The Schulich School of Music

## Early Music/Harpsichord

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| MUPG 670 | Advanced Continuo 1. | 2       |
| MUPG 671 | Advanced Continuo 2. | 2       |

<sup>1</sup> if not already taken

## Jazz

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| MUJZ 640 | Jazz Composition and Arranging 1. | 2       |
| MUJZ 641 | Jazz Composition and Arranging 2. | 2       |

One 3-credit seminar starting with MUPG<sup>1</sup>

<sup>1</sup> if not already taken

# Performance (Post-Grad Artist Diploma) (30 credits)

**Offered by:** Music (Schulich School of Music)

**Degree:** PGD-AT

**Program credit weight:** 30

## Program Description

The Post-Graduate Artist Diploma in Performance is a third-cycle, one-year post-Master's program that enables an intensive focus on the pursuit of performance goals at the highest level, through repertoire expansion and refinement of artistry, including intensive coaching, practice, and varied performance projects. Admission is by audition, with candidates having previously completed an M.Mus. or equivalent.

## Required Courses (16 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| MUIN 715 | Post-Graduate Artist Diploma Tutorial 1. | 8       |
| MUIN 716 | Post-Graduate Artist Diploma Tutorial 2. | 8       |

## Complementary Courses (14 credits)

8 credits from the following:

Expand allContract all

| Course     | Title                                                   | Credits |
|------------|---------------------------------------------------------|---------|
| MUPG 750   | Post-Graduate Artist Diploma Performance Project 1.     | 4       |
| MUPG 751   | Post-Graduate Artist Diploma Performance Project 2.     | 4       |
| MUPG 752   | Post-Graduate Artist Diploma Performance Project 3.     | 8       |
| MUPG 752D1 | Post-Graduate Artist Diploma Performance Project 3.     | 4       |
| MUPG 752D2 | Post-Graduate Artist Diploma Performance Project 3.     | 4       |
| MUPG 753   | Post-Graduate Artist Diploma Interdisciplinary Project. | 4       |
| MUPG 754   | Post-Graduate Artist Diploma Concerto Performance.      | 4       |

<sup>1</sup> Students may take MUPG 752 Post-Graduate Artist Diploma Performance Project 3. or MUPG 752D1 Post-Graduate Artist Diploma Performance Project 3. and MUPG 752D2 Post-Graduate Artist Diploma Performance Project 3..

0-3 credits from:

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| MUSR 692 | Music Production Workshop. | 3       |

\*Needed of all instruments except Voice.

3-6 credits from the following:

Performance courses with Schulich School of Music approval from the following lists:

3-6 credits from any ensemble courses with the prefix MUEN at the 500 or 600 level

Expand allContract all

| Course     | Title                 | Credits |
|------------|-----------------------|---------|
| MUPG 571   | Free Improvisation 1. | 1       |
| MUPG 572D1 | Free Improvisation 2. | 0.5     |
| MUPG 572D2 | Free Improvisation 2. | 0.5     |

and the additional courses from the following list:

## Voice

Expand allContract all

| Course   | Title             | Credits |
|----------|-------------------|---------|
| MUIN 610 | Vocal Coaching 1. | 1       |
| MUIN 611 | Vocal Coaching 2. | 1       |

## Piano

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| MUPG 670 | Advanced Continuo 1. | 2       |
| MUPG 671 | Advanced Continuo 2. | 2       |

|          |                                                              |   |
|----------|--------------------------------------------------------------|---|
| MUPG 687 | Collaborative Piano Repertoire 1: Song. <sup>2</sup>         | 1 |
| MUPG 688 | Collaborative Piano Repertoire 2: Instrumental. <sup>2</sup> | 1 |
| MUPG 689 | Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio. | 1 |

<sup>1</sup> if not already taken  
<sup>2</sup> may be repeated with the permission of the instructor

Chamber Music

Expand allContract all

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| MUIN 500 | Practical Instruction 1. | 1       |

Organ

Expand allContract all

| Course     | Title                                      | Credits |
|------------|--------------------------------------------|---------|
| MUPG 575D1 | Organ Repertoire and Performance Practice. | 1.5     |
| MUPG 575D2 | Organ Repertoire and Performance Practice. | 1.5     |
| MUPG 670   | Advanced Continuo 1. <sup>1</sup>          | 2       |
| MUPG 671   | Advanced Continuo 2. <sup>1</sup>          | 2       |

<sup>1</sup> if not already taken

One 3-credit seminar at the 500 or 600 level approved by the Department.

Early Music

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| MUPG 670 | Advanced Continuo 1. <sup>1</sup> | 2       |
| MUPG 671 | Advanced Continuo 2. <sup>1</sup> | 2       |

<sup>1</sup> if not already taken

Performance Choral Conducting (Gr. Cert.) (15 credits)

Offered by: Music (Schulich School of Music)  
Program credit weight: 15

Program Description

The Graduate Certificate in Performance - Choral Conducting is designed for choral conductors wishing to perfect their technical, pedagogical, and musical skills. This flexible program allows conductors to develop their craft while maintaining their professional activities. The program includes group tutorial instruction in conducting, ensemble participation, and complementary courses offering the opportunity to focus on conducting technique, rehearsal pedagogy, or performance practice. Enrollment is limited.

Required Courses (8 credits)

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| MUIN 637 | Graduate Certificate Conducting Tutorial 1. | 3       |
| MUPD 560 | Music Information and Research Skills.      | 1       |
| MUPG 648 | Graduate Certificate Conducting Project .   | 4       |

Complementary Courses (7 credits)

4 credits from the following:

Expand allContract all

| Course   | Title                | Credits |
|----------|----------------------|---------|
| MUEN 563 | Jazz Vocal Workshop. | 2       |
| MUEN 572 | Cappella Antica.     | 2       |
| MUEN 593 | Choral Ensembles.    | 2       |

3 credits from the following:

Expand allContract all

| Course   | Title                                                    | Credits |
|----------|----------------------------------------------------------|---------|
| MUIN 638 | Graduate Certificate Conducting Tutorial 2. <sup>1</sup> | 3       |
| MUPG 580 | Rehearsal Techniques for Conductors.                     | 1.5     |
| MUPG 677 | Seminar in Performance Topics 1.                         | 3       |
| MUPG 678 | Seminar in Performance Topics 2.                         | 3       |
| MUPP 690 | Performance Practice Seminar 1.                          | 3       |
| MUPP 691 | Performance Practice Seminar 2.                          | 3       |
| MUPP 692 | Performance Practice Seminar 3.                          | 3       |
| MUPP 693 | Performance Practice Seminar 4.                          | 3       |
| MUPP 694 | Performance Practice Seminar 5.                          | 3       |
| MUPP 695 | Performance Practice Seminar 6.                          | 3       |

<sup>1</sup> If this course is chosen, it must be taken for two terms (for 3 credits).

# Nursing, Ingram School of

McGill University's Ingram School of Nursing creates an environment for students to excel, innovate, and serve as proud ambassadors of the nursing profession as they prepare for their careers on the frontlines of public and global health.

We are committed to the highest standards of academic excellence and cutting-edge research and innovation, and to fostering dynamic collaborations at the local, national, and global levels. We espouse a strengths-based approach to nursing, a philosophy- and value-driven approach spearheaded by McGill's own Dr. Laurie Gottlieb, RN.

The School offers students the chance to discover the many rewarding opportunities the nursing profession has to offer, all in new facilities with state-of-the-art learning laboratories.

## Mission

To educate current and future nurses; advance the art and science of nursing; and optimize health and health equity globally through academic excellence, strengths-based nursing, and innovation.

## Vision

Creating conditions for health and healing through knowledgeable, compassionate, strengths-based nursing.

## About Nursing

The Ingram School of Nursing is a professional school within the Faculty of Medicine and Health Sciences that has been educating nurses since 1920. On September 10, 2012, the School was formally renamed the Ingram School of Nursing in recognition of Richard and Satoko Ingram and their exceptional support for Nursing at McGill. 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 their discipline.

Recently, the Ingram School of Nursing adopted Strengths-Based Nursing (SBN) as its foundation for practice, education, and research. SBN is a culmination of an approach to nursing that has been an integral part of the McGill School of Nursing since its founding in 1920, evolving from the McGill Model of Nursing. SBN is both a philosophy as well as a value-driven approach that has as its foundational pillars in person/family-centered care, empowerment, relational care, and innate and acquired healing.

At the graduate level, the Ingram 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 and clinicians, students will participate in cutting-edge programs of research and knowledge translation projects related to nursing practice and administration. McGill's Ingram 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 and its laboratories are situated at 680 Sherbrooke Street West and occupy the 18th, 19th, and 20th floors of that building. The state-of-the-art Satoko Shibata Clinical Nursing Laboratories are designed to offer students a wealth of hands-on experience.

The School also accommodates student lounges, faculty and staff offices, mid- and small-sized classrooms, and meeting rooms. 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 programs, please consult the Ingram School of Nursing's Undergraduate section.

## Admission Requirements and Application Procedures

### Admission Requirements

#### Proficiency in English

Since the language of instruction at McGill University is English, some applicants may need to provide proof of English language proficiency. Please visit the Future Graduate Students website to see if this applies to you. Applicants must write term papers, examinations, and theses in English or in French.

**Before being considered for admission**, 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 using McGill's Institutional code: 0935.

- TOEFL: a minimum score of 100 on the Internet-based test (iBT) with each component score no less than 20
- IELTS: a minimum overall score of 7.5

An institutional version of the TOEFL is not acceptable. Applications will not be considered if TOEFL or IELTS test results are not available.

More information can be found on the Language Policy (p. 41) page.

GRE (Graduate Record Examination) general test results may be required in individual circumstances.

Students who have not completed their studies in North America may be asked to arrange for an interview as part of the application process.

### General Admission Requirements and Information

Nurse applicants to the master's program may complete their studies on a part-time basis (with the exception of the Nurse Practitioner Program). Applicants to the Graduate Certificates and Graduate Diplomas should consult with their advisor concerning course load.

Nurse applicants are expected to hold current registration in their Canadian province or in the United States. Nurses who are not licensed in Quebec must be registered with the *Ordre des infirmières et infirmiers du Québec* upon the start of their graduate studies.

Nurse applicants whose previous nursing degree(s) was completed outside of Canada are required to have at least one year of experience as nurses in their country of origin, in addition to one year of experience as nurses in Canada.

All applicants to the nursing Masters of Science (Applied), Graduate Certificates, Graduate Diplomas, and Ph.D. programs should consult the Ingram School of Nursing website for more information on admission requirements and application processes.

### **Additional Admission Requirements (by Program)** **Master's Nursing Program**

M.Sc.A. - Nursing 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.

### **French Language Proficiency**

In the clinical settings where much of our program delivery takes place, the ability to communicate proficiently in French is necessary to effectively learn and safely work with and support patients, families, and healthcare teams. French is essential to the successful completion of this Nursing degree program. Candidates are encouraged to consult the Ingram School of Nursing website for more information on French Language Proficiency and for all admission requirements to the Qualifying Year.

Upon successful completion of the Qualifying Year, candidates must apply to the Master's program. The applicant's undergraduate record must meet the minimum general requirements of Graduate and Postdoctoral Studies, which includes a minimum cumulative grade point average of 3.0/4.0, or a high "B" Standing in undergraduate studies. Entering students normally hold an undergraduate degree in arts, humanities, science, or social science disciplines because the program draws heavily on skills and knowledge typically developed in such areas.

### **Master's Advanced Nursing Program—All Concentrations**

Applicants to the master's degree must have completed a bachelor's degree in nursing with a minimum CGPA of 3.0/4.0. This preparation must be comparable to that offered in the bachelor's in nursing programs at McGill, which includes an Introductory Statistics course (3 credits).

Prospective applicants whose undergraduate degree differs from the McGill degree can use the Nurse Bachelor Assessment Form to self-assess their degrees. Once an application is submitted, this form is used by the Admissions Committee to assess equivalency of Bachelors' degrees.

### **Master's Nurse Practitioner Programs—All Concentrations**

Applicants to the Master of Science (Applied) Nurse Practitioner degree must have completed a bachelor's degree in nursing with a minimum CGPA of 3.0/4.0. This preparation must be comparable to that offered in the bachelor's in nursing programs at McGill, which includes an Introductory Statistics course (3 credits).

Prospective applicants whose undergraduate degree was not obtained within Quebec will need to have the biological sciences content (physiology, pathophysiology, pathology, and pharmacology) and the introductory statistics course deemed equivalent to the McGill University B.Sc.(N.). The Nurse Bachelor Assessment Form must be completed, with the course descriptions included. A minimum of 3,360 hours of experience in nursing, including within the specialty, is required. Candidates are encouraged to consult the Ingram School of Nursing website for more information on the type of experience required for each concentration.

International applicants who have been licensed in another country must have worked as a registered nurse in the United States or Canada for at least one year, which will provide them with the necessary knowledge of the health care system required for advanced nursing studies.

### **Graduate Certificates in Nurse Practitioner**

Applicants must hold a Master's in Nursing comparable to that of McGill University, with a minimum CGPA of 3.0/4.0. Candidates are encouraged to consult the Ingram School of Nursing website for more information on the Graduate Certificate in Nurse Practitioner.

Applicants must complete the Graduate Diploma in the same concentration in order to qualify for the professional licensing exam.

### **Graduate Diplomas in Nurse Practitioner**

For nurse applicants with a bachelor's or master's degree in Nursing, an M.Sc.A. Nurse Practitioner and a Graduate Diploma in an Nurse Practitioner ("NP") specialty must be completed to qualify for the professional licensing exam. For nurse applicants with a M.Sc.A. in Nursing, a Graduate Certificate and a Graduate Diploma in an NP specialty must be completed to qualify for the professional licensing exam.

### **French Language Proficiency**

The NP Program requires that students be proficient in French (oral and written comprehension, and oral and written expression) in alignment with the OIIQ requirements for licensing in Quebec. Resources are available to support students in developing their French language skills.

### **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 minimum of 3.3/4.0 or a B+ Standing.

The School considers admissions to the doctoral program for the Fall and Winter terms.

## **Registration and Regulations**

Official registration through Minerva must be completed by **August 14**. Students registering late for reasons unrelated to the admission procedure are subject to the late payment fee.

Newly admitted students will receive information from the Graduate Nursing Student Affairs Office regarding any orientation sessions being scheduled for the fall. Students should contact their academic advisor for approval of complementary courses before the add/drop deadline.

For the list of advisors by concentration, refer to the Graduate Program Student and Faculty Handbook.

All students (new admits and 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 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.

### **Clinical Requirements**

Please visit the Clinical Studies Requirements page for further details. A table of these requirements and respective deadline dates is outlined on this page. You can login to the student portal through this page to upload the necessary documents for your clinical studies.

## Student Well-Being Services

Any student who is experiencing difficulty in meeting program requirements is encouraged to seek help and take advantage of academic services that McGill offers. Information is available on the GPS Supporting Graduate student well-being page. Further information on services available to students is available on the Student Services – Downtown Campus (p. 73) page.

## Regulations Concerning Clinical Placement Courses

- Clinical courses must be taken sequentially as identified in the course of study for your concentration.
- Students must be registered with the OIIQ 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 on [mcgill.ca/deanofstudents/student-rights-and-conduct](http://mcgill.ca/deanofstudents/student-rights-and-conduct) and [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations)) provide guidelines. Professional behaviour is expected in relation to classmates, teachers, patients, the interprofessional team, 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 Ingram 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 should refer to the ISO Graduate Student Handbook for additional information on clinical placements policy.
- 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.
- Special requests for specific locations or hours of clinical study cannot be accommodated.
- Students who are seropositive for Hepatitis B, C, or HIV and/or any other blood-borne pathogens have an obligation to notify their Program Director. These students are referred to the Blood-

Borne Infection Risk Assessment Unit (*Service d'évaluation des risques de transmission d'infection hématogène* (SERTIH)) of the *Québec Institut national de santé publique* responsible for all infected workers, including nursing students. The service will make recommendations regarding clinical placement based on the nature of the situation.

- Clinical courses are offered during the day, evening, night, or weekend. For preceptored courses, students must follow their assigned preceptor's schedule.
- Clinical agencies generally require students entering their facility to undergo a Criminal Reference Check prior to being granted permission to enter their facility.
- Refer to the Clinical Studies Requirements page for more information.

## RN Licensure (Registration) to Practice

Graduates of an entry-to-practice program in nursing must seek licensure to practice on completion of the degree. The granting of a license to practice nursing and the right to be called a "Nurse – N" is a jurisdictional issue and varies from province to province within Canada, state to state in the United States, and country to country around the world.

## NP Licensure (Registration) to Practice

Students wishing to enrol in the Nurse Practitioner Program must hold a valid nursing license within a Canadian jurisdiction. Enrolled students must hold a valid nursing license from the *Ordre des infirmières et infirmiers du Québec* (OIIQ) in order to undertake their clinical internship in Quebec. Graduates of the nurse practitioner must seek licensure to practice as a nurse practitioner upon completion of their program. The granting of a license to practice as a nurse practitioner and the right to be called a "Nurse Practitioner – NP" is a jurisdictional issue determined by the Professional Nursing Order of each province.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations and Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

For information on the application process as well as the supporting documents required in addition to the online application, please visit the Nursing website, then search for your program of study.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Students who have not completed their studies in North America may be asked to arrange for an interview as part of the application process.
- GRE (Graduate Record Examination) general test results may be required in individual circumstances.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Ingram School of Nursing and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill



departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Adult Care Nurse Practitioner (Gr. Cert.) (21 credits) (p. 464)
- Adult Care Nurse Practitioner (Gr. Dip.) (30 credits) (p. 465)
- Advanced Nursing (Non-Thesis): Advanced Practice Nursing (M.Sc.A.) (48 credits) (p. 458)
- Advanced Nursing (Non-Thesis): Global Health (M.Sc.A.) (48 credits) (p. 459)
- Advanced Nursing (Non-Thesis): Nursing Services Administration (M.Sc.A.) (48 credits) (p. 460)
- Mental Health Nurse Practitioner (Gr. Cert.) (21 credits) (p. 464)
- Mental Health Nurse Practitioner (Gr. Dip.) (30 credits) (p. 465)
- Neonatal Nurse Practitioner (Gr. Cert.) (24 credits) (p. 464)
- Neonatal Nurse Practitioner (Gr. Dip.) (30 credits) (p. 465)
- Nurse Practitioner (Non-Thesis): Adult Care (M.Sc.A.) (45 credits) (p. 461)
- Nurse Practitioner (Non-Thesis): Mental Health (M.Sc.A.) (45 credits) (p. 462)
- Nurse Practitioner (Non-Thesis): Neonatal (M.Sc.A.) (45 credits) (p. 462)
- Nurse Practitioner (Non-Thesis): Pediatric (M.Sc.A.) (45 credits) (p. 463)
- Nurse Practitioner (Non-Thesis): Primary Care (M.Sc.A.) (45 credits) (p. 463)
- Nursing (Non-Thesis): Direct Entry to Advanced Practice Nursing (M.Sc.A.) (61 credits) (p. 460)
- Nursing (Non-Thesis): Global Health Direct Entry (M.Sc.A.) (61 credits) (p. 461)
- Nursing (Ph.D.) (p. 466)
- Pediatric Nurse Practitioner (Gr. Cert.) (27 credits) (p. 464)
- Pediatric Nurse Practitioner (Gr. Dip.) (30 credits) (p. 466)
- Primary Care Nurse Practitioner (Gr. Cert.) (27 credits) (p. 465)
- Primary Care Nurse Practitioner (Gr. Dip.) (30 credits) (p. 466)

## Program Overview

### M.Sc.A. Program and Concentrations

The Master of Science (Applied) is offered in three majors and a number of formal concentrations, which are listed below.

### Graduate Certificates and Diplomas

Nurse applicants with a Master of Science degree in Nursing and with the required clinical experience are prepared to assume the nurse practitioner (NP) role through our Graduate Certificate and Graduate Diploma programs in five NP specialties (Adult Care, Neonatology, Mental Health, Primary Care, and Pediatrics). The Graduate Certificate and Graduate Diploma programs develop in these students the necessary knowledge and skills to prepare for the Quebec Order of

Nurses (OIIQ) (Ordre des infirmières et infirmiers du Québec) nurse practitioner professional licensing exam.

### Ph.D. Doctoral Program

The Ph.D. program in Nursing is designed to prepare nurses for careers as researchers, academics, and health care leaders who will develop the discipline of nursing through the advancement of nursing knowledge, practice, and education.

### Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Advanced Practice Nursing (48 credits) (p. 458)

The [\(M.Sc.A.\)](#) [M.Sc.\(A.\)](#) Advanced Nursing 'no concentration' option is a two-year, 48-credit program. Part-time studies over three to five years are also an option. Part-time studies over three to five years are also an option, but class schedules must be discussed with and approved by the academic advisor.

The core content of this concentration option prepares students for advanced practice nursing roles in diverse settings and with diverse populations. Content is organized around Strengths-Based Nursing, and focuses on such areas as family intervention, collaborative practice, and working with family strengths and resources. Through clinical courses, students engage in advanced clinical assessments and interventions and develop greater capacities to reflect purposefully and in-depth on their nursing practice. Students also develop knowledge of quantitative and qualitative research methods, engage in a systematic study of a clinically based nursing problem, and disseminate knowledge relevant to clinical practice.

### Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Global Health (48 credits) (p. 459)

This concentration focuses on the challenges of working with diverse populations in limited-resource environments, while stressing the importance of understanding the inherent power dynamics, equity issues and ethical dilemmas that arise through work. It is based on the belief that we have much to learn from one another. The [\(M.Sc.A.\)](#) Advanced Nursing (Non-Thesis); Global Health concentration provides student with global health content throughout their program of study, and students spend one semester taking clinical—and project-based courses in their final year in a global health placement site.

### Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Nursing Services Administration (48 credits) (p. 460)

This concentration focuses on students capacity to assess the factors that affect and determine the nursing workforce including making strategic and effective decisions, and influencing policy with regard to the planning and management of the nursing workforce.

### Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Direct Entry to Advanced Practice Nursing (61 credits) (p. 460)

The [M.Sc.A.](#) [M.Sc.\(Applied\)](#) in Nursing; Non-Thesis - Direct Entry to Advanced Practice Nursing program is an entry to practice program structured for individuals with a non-nursing undergraduate degree to study to become a nurse in a three-year Master's program. The program focuses on the preparation needed for for both entry-to-

practice and advanced practice nursing. A Strengths-Based Nursing and health care approach is used in a variety of clinical settings. Emphasis is placed on bringing the best available evidence to nursing practice. Clinically relevant nursing challenges will be addressed in the choice of one of the two streams. Graduates of this program are eligible to write the OIIQ licensing exam.

### **Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Global Health Direct Entry (61 credits)**

This concentration prepares students for the challenges of working with diverse populations in limited-resource environments, while stressing the importance of understanding the inherent power dynamics, equity issues, and ethical dilemmas that arise through this work. It is based on a belief that we have much to learn from one another. The M.Sc.A. Nursing (Non-Thesis): Global Health provides students with global health content throughout their program of study, and students spend one semester taking clinical- and project-based courses in their final year in a global health placement site. This concentration is supported by the Global Health Committee of the Ingram School of Nursing. Students in the M.Sc.A. Nursing concentration that wish to complete Global Health Studies should apply to the M.Sc.A. Nursing: Global Health concentration.

### **Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Adult Care (45 credits) (p. 461)**

The Master of Science (Applied) in Nurse Practitioner: Non-Thesis - Adult Care is open to Bachelor's prepared nurses and is taken concurrently with the Graduate Diploma in Nurse Practitioner - Adult Care. This course of study is designed to prepare students to assume the full scope of Adult Care Nurse Practitioner practice. Adult Care Nurse practitioners provide advanced-practice nursing care (including performing assessments, forming medical impressions, providing treatments, and ensuring continuity of care) to the adult population with complex acute, chronic or critical health issues, requiring secondary and tertiary line of care. The program is built on a foundation of strengths-based nursing care of individuals, families, and communities.

### **Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Mental Health (45 credits) (p. 462)**

This concentration is intended to train graduate-level nurses to take on an advanced practice role. Mental Health Nurse Practitioners assume responsibility for tasks related to physical assessment, clinical impressions, and treatment within legally sanctioned, pre-determined conditions, that have traditionally been exclusive to medical practice.

### **Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatal (p. 462)**

The McGill University, Ingram School of Nursing Neonatal NP concentration is one of two such training programs in the province of Quebec, and only one of two training programs in the country.

The aim of the Neonatal NP concentration is to prepare the neonatal nurse practitioner for a multifaceted role in ambulatory, intermediate and critical care settings. The neonatal nurse practitioner is prepared to provide, and/or collaborate in the provision of services, designed

to deal with the health care needs of neonates and their families. The focus is the development of expert clinical competence and leadership. The ability to function as an educator, consultant, collaborator, and leader are integral parts of the Nurse Practitioner role. These competencies are developed throughout the curriculum. In Québec, the Neonatal NP title is *Infirmière praticienne spécialisée en néonatalogie (IPSNN)*.

### **Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Pediatrics (45 credits) (p. 463)**

This concentration focuses on the multifaceted role of nurse practitioner in intermediate, acute, and critical care in neonatology. The nurse practitioner needs the necessary knowledge/understanding required to practice in a collaborative manner in providing services designed to deal with the health care needs and problems of neonates and their families in a variety of settings. The nurse practitioner is expected to function at various levels in educating families/co-workers, consultation, liaison, and managerial skills. These areas are addressed within the curriculum.

### **Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Primary Care (45 credits) (p. 463)**

This concentration was developed in order to train graduate-level nurses to take on this advanced practice role. Primary Care Nurse Practitioners 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 Primary Care concentration focuses on a wide range of acute and chronic health concerns across the life span.

### **Graduate Certificate (Gr. Cert.) Adult Care Nurse Practitioner (21 credits) (p. 464)**

The Graduate Certificate (Gr. Cert.) Nurse Practitioner: Adult Care is taken concurrently with the Graduate Diploma (Gr. Dip.) Nurse Practitioner: Adult Care by students entering the program with a Master's of Nursing. This course of study is designed to prepare students to assume the full scope of Adult Care Nurse Practitioner practice. Adult Care Nurse practitioners provide advanced practice, including advanced-practice nursing care to the adult population with complex acute, chronic, or critical health issues, requiring secondary and tertiary line of care. The program is built on a foundation of strengths-based nursing care of individuals, families, and communities.

### **Graduate Certificate (Gr. Cert.) Neonatal Nurse Practitioner (24 credits) (p. 464)**

The Graduate Certificate in Neonatal Nurse Practitioner, in conjunction with the Graduate Diploma in Neonatal Nurse Practitioner, is intended for those entering the program with a Master's of Nursing. The program focuses on the multifaceted role of the neonatal nurse practitioner in a variety of acute, intermediate and critical neonatal care settings. Throughout the program, the emphasis is on advanced assessment, clinical reasoning, diagnosis and other skills to enact the full legislated scope of practice. The program is structured to focus on the ability to function as an educator, consultant, collaborator and leader. Students who complete the Neonatal Nurse Practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Neonatal Nurse Practitioner specialty (licensing) examination.

### **Graduate Certificate (Gr. Cert.) Mental Health Nurse Practitioner (21 credits) (p. 464)**

The Graduate Certificate in Mental Health Nurse Practitioner, in combination with the Graduate Diploma in Mental Health Nurse Practitioner, focuses on the competencies required to assume the advanced practice nursing role of the mental health nurse practitioner, including the assessment, diagnosis, care and treatment of mental illness in primary, secondary, and tertiary care settings.

### **Graduate Certificate (Gr. Cert.) Primary Care Nurse Practitioner (15 credits) (p. 465)**

The Graduate Certificate in Primary Care Nurse Practitioner is open to nurses who have previously completed a Master of Science in Nursing and is taken in combination with the Graduate Diploma in Primary Care Nurse Practitioner. This program focuses on a wide range of acute and chronic health concerns across the life span and includes activities related to assessment, diagnosis, and treatment within the primary care nurse practitioner's legally sanctioned scope of practice. Graduates may be eligible to be a candidate for the Ordre des infirmières et infirmiers du Québec's Primary Care Nurse Practitioner certification examination.

### **Graduate Diploma (Gr. Dip.) Adult Care Nurse Practitioner (30 credits) (p. 465)**

The Graduate Diploma complements the Master of Science (Applied) in Nurse Practitioner; Non-Thesis - Adult Care concentration and fulfills the requirements for entry-to-practice as an Adult Care NP as per the Ordre des infirmières et infirmiers du Québec (OIIQ). The Graduate Diploma and the M.Sc.A. are taken concurrently by students entering the program with a Bachelor's Degree. Students entering the program already having completed a Master's in nursing degree take the Graduate Diploma and Graduate Certificate Nurse Practitioner - Adult Care, concurrently.

### **Graduate Diploma (Gr. Dip.) Mental Health Nurse Practitioner (30 credits) (p. 465)**

This diploma is open to graduates of the Mental Health Nurse Practitioner M.Sc.A. or the Mental Health Graduate Certificate. In this final step of preparation for taking on the Mental Health NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of psychology and the biomedical sciences through their application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the mental health nurse practitioner licensing exam.

### **Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits) (p. 465)**

This diploma is open to graduates of the Neonatal Nurse Practitioner M.Sc.A. or the Neonatal Graduate Certificate. In this final step of preparation for taking on the Neonatal NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the neonatal nurse practitioner licensing exam.

### **Graduate Diploma (Gr. Dip.) Pediatric Nurse Practitioner (30 credits) (p. 466)**

This diploma is open to graduates of the Pediatric Nurse Practitioner M.Sc.A. or the Pediatric Graduate Certificate. In this final step of

preparation for taking on the Pediatric NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the pediatric nurse practitioner licensing exam.

### **Graduate Diploma (Gr. Dip.) Primary Care Nurse Practitioner (30 credits) (p. 466)**

This diploma is open to graduates of the Primary Care Nurse Practitioner M.Sc.A. or the Primary Care Graduate Certificate. In this final step of preparation for taking on the Primary Care NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the primary care nurse practitioner licensing exam.

### **Doctor of Philosophy (Ph.D.) Nursing (p. 466)**

The Ph.D. program focuses on the development of advanced skills in critical thinking, scholarly communication and the conduct of rigorous research related to the student's selected topic of inquiry. The program is open to nurses with either an undergraduate or graduate degree in Nursing, or students who have completed a two-year master's program in Nursing or a related field.

## **Location**

Ingram School of Nursing  
680 Sherbrooke St. W., Suite 1800  
Montréal, QC H3A 2M7

Telephone: 514-398-4151  
Fax: 514-398-8455  
Website: [mcgill.ca/nursing](http://mcgill.ca/nursing)

## **Advanced Nursing (Non-Thesis): Advanced Practice Nursing (M.Sc.A.) (48 credits)**

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 48

## **Program Description**

The M.Sc. (A.) in Advanced Nursing; Non-Thesis - Advanced Practice Nursing (APN) focuses on advanced practice nursing roles in diverse settings and populations. Content is organized based on a Strength-Based Nursing and health care approach and focuses on family assessment and intervention, collaborative partnerships, and the development of capacities to reflect purposefully and in depth on nursing practice.

This concentration is also designed to develop policy, leadership and nursing education skills. There is an emphasis on bringing the best available evidence to nursing care practice within a variety of healthcare settings, roles, or situations. The knowledge translation stream or research stream choices within the program are to be selected to address a clinically relevant nursing challenge.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 515 | Applied Statistics for Nursing.       | 3       |
| NUR2 600 | Knowledge Translation in Healthcare . | 3       |
| NUR2 603 | Teaching and Learning in Nursing .    | 3       |
| NUR2 605 | Advanced Clinical Reasoning.          | 3       |
| NUR2 608 | Seminar in Nursing.                   | 3       |
| NUR2 611 | Policy Leadership in Nursing.         | 3       |
| NUR2 612 | Research Methods in Nursing           | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1. | 3       |
| NUR2 626 | Professional Issues in Nursing.       | 3       |
| NUR2 642 | Ethics in Advanced Practice.          | 3       |

## Complementary Courses (18 credits)

9-12 credits from one of the following streams:

### Knowledge Translation Stream

9 credits from the following project-based courses:

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| NUR2 601 | Applied Knowledge Translation in Healthcare 1.  | 6       |
| NUR2 602 | Applied Knowledge Translation in Healthcare 2 . | 3       |

### Research Stream

12 credits from the following project-based courses:

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| NUR2 630 | Research Project 1. | 3       |
| NUR2 631 | Research Project 2. | 6       |
| NUR2 632 | Research Project 3. | 3       |

3-6 credits from the following clinical courses:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 622 | Nursing Education Internship.         | 3       |
| NUR3 628 | Advanced Practice Nursing Internship. | 3       |

3 credits at the 500-level or higher in the area of health equity to be approved by an Academic Adviser.

0-3 credits at the 500-level or higher of a course that furthers advanced practice nursing competencies, to be approved by an Academic Adviser.

## Advanced Nursing (Non-Thesis): Global Health (M.Sc.A.) (48 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 48

## Program Description

The Master of Science (Applied) in Advanced Nursing; Non-Thesis - Global Health program focuses on collaborative, trauma-informed, culturally safe, Strengths-Based Nursing (SBN) and health care approaches to working with underserved populations including in limited-resource and rural environments. The concentration stresses the importance of understanding the inherent power dynamics, systemic barriers, and ethical dilemmas that arise through this work. The program emphasizes health equity focused content throughout. In the final year of study, the program includes one semester in a global health partnership site (locally, provincially or internationally) that focuses on clinical and project-based work.

## Required Courses (45 credits)

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| NUR2 515 | Applied Statistics for Nursing.          | 3       |
| NUR2 516 | Perspectives on Global Health.           | 3       |
| NUR2 600 | Knowledge Translation in Healthcare .    | 3       |
| NUR2 608 | Seminar in Nursing.                      | 3       |
| NUR2 606 | Clinical Reasoning in a Global Context . | 3       |
| NUR2 611 | Policy Leadership in Nursing.            | 3       |
| NUR2 612 | Research Methods in Nursing              | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1.    | 3       |
| NUR2 626 | Professional Issues in Nursing.          | 3       |
| NUR2 630 | Research Project 1.                      | 3       |
| NUR2 631 | Research Project 2.                      | 6       |
| NUR2 632 | Research Project 3.                      | 3       |
| NUR2 636 | Global Health Nursing Internship.        | 3       |
| NUR2 642 | Ethics in Advanced Practice.             | 3       |

## Complementary Course (3 credits)

3 credits at the 500 level or higher of a course that furthers global health competencies, to be approved by an Academic Adviser.



# Advanced Nursing (Non-Thesis): Nursing Services Administration (M.Sc.A.) (48 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science Applied  
**Program credit weight:** 48

## Program Description

The M.Sc.(Applied) in Advanced Nursing; Non-Thesis - Nursing Services Administration focuses on the appropriate distribution of nursing care; the planning, coordination, and evaluation of nursing services; the management of human, material, and financial resources; and the importance of interdisciplinary collaboration to meet standards of care. This program emphasizes management, leadership, and policy skills—in preparation for today’s evolving, complex healthcare delivery systems, where leading change for system-level transformation is required. The use of best available evidence to support nursing administration practices within a variety of healthcare settings. Students may select the knowledge translation stream or the research stream to address a relevant nursing administration issue.

## Required Courses (27 credits)

Expand allContract all

| Course   | Title                                       | Credits |
|----------|---------------------------------------------|---------|
| NUR2 515 | Applied Statistics for Nursing.             | 3       |
| NUR2 600 | Knowledge Translation in Healthcare .       | 3       |
| NUR2 608 | Seminar in Nursing.                         | 3       |
| NUR2 611 | Policy Leadership in Nursing.               | 3       |
| NUR2 612 | Research Methods in Nursing                 | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1.       | 3       |
| NUR2 626 | Professional Issues in Nursing.             | 3       |
| NUR2 642 | Ethics in Advanced Practice.                | 3       |
| NUR3 624 | Nursing Services Administration Internship. | 3       |

## Complementary Courses (21 credits)

3 credits at the 500-level or higher in the area of Health Equity to be approved by an Academic Advisor.

6-9 credits at the 500 level or higher of a course that furthers advanced practice nursing competencies, including relevant School of Continuing Studies courses in the area of administration, to be approved by an academic adviser.

9-12 credits from the following two streams:

### Knowledge Translation Stream

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| NUR2 601 | Applied Knowledge Translation in Healthcare 1.  | 6       |
| NUR2 602 | Applied Knowledge Translation in Healthcare 2 . | 3       |

### Research Stream

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| NUR2 630 | Research Project 1. | 3       |
| NUR2 631 | Research Project 2. | 6       |
| NUR2 632 | Research Project 3. | 3       |

# Nursing (Non-Thesis): Direct Entry to Advanced Practice Nursing (M.Sc.A.) (61 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)  
**Degree:** Master of Science Applied  
**Program credit weight:** 61

## Program Description

The M.Sc.(Applied) in Nursing; Non-Thesis - Direct Entry to Advanced Practice Nursing program is an entry to practice program structured for individuals with a non-nursing undergraduate degree to study to become a nurse in a three-year Master’s program. The program focuses on the preparation needed for for both entry-to-practice and advanced practice nursing. A Strengths-Based Nursing and health care approach is used in a variety of clinical settings. Emphasis is placed on bringing the best available evidence to nursing practice. Clinically relevant nursing challenges will be addressed in the choice of one of the two streams. Graduates of this program are eligible to write the OIIQ licensing exam.

## Program Prerequisite

The completion of a Qualifying Year (QY) is mandatory before applying to Year 1 of the M.Sc.(Applied) in Nursing; Non-Thesis - Direct entry to Advanced Practice Nursing program.

## Required Courses (49 credits)

Expand allContract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| IPEA 502 | Partnership in Interprofessional Teams       | 0       |
| IPEA 503 | Managing Interprofessional Conflict.         | 0       |
| NUR2 515 | Applied Statistics for Nursing.              | 3       |
| NUR2 516 | Perspectives on Global Health.               | 3       |
| NUR2 607 | Children's Nursing                           | 3       |
| NUR2 609 | Nursing Care of Children and their Families. | 3       |
| NUR2 610 | Ambulatory/Community Care.                   | 3       |
| NUR2 611 | Policy Leadership in Nursing.                | 3       |
| NUR2 612 | Research Methods in Nursing                  | 3       |
| NUR2 616 | Advanced Clinical Skills.                    | 4       |
| NUR2 619 | Nursing Clinical Skills Laboratory 4.        | 1       |



|          |                                         |   |
|----------|-----------------------------------------|---|
| NUR2 621 | Wound Care 2.                           | 2 |
| NUR2 623 | Clinical Assessment and Therapeutics 1. | 3 |
| NUR2 626 | Professional Issues in Nursing.         | 3 |
| NUR2 634 | Clinical Assessment and Therapeutics 2. | 3 |
| NUR2 637 | Clinical Nursing Specialization.        | 3 |
| NUR2 638 | Nursing in Critical Care.               | 3 |
| NUR2 640 | Clinical Reasoning.                     | 3 |
| NUR2 642 | Ethics in Advanced Practice.            | 3 |

## Complementary Courses (12 credits)

12 credits from one of the following streams.

### Knowledge Translation Stream

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| NUR2 600 | Knowledge Translation in Healthcare .           | 3       |
| NUR2 601 | Applied Knowledge Translation in Healthcare 1.  | 6       |
| NUR2 602 | Applied Knowledge Translation in Healthcare 2 . | 3       |

### Research Stream

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| NUR2 630 | Research Project 1. | 3       |
| NUR2 631 | Research Project 2. | 6       |
| NUR2 632 | Research Project 3. | 3       |

## Nursing (Non-Thesis): Global Health Direct Entry (M.Sc.A.) (61 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 61

### Program Description

The focus of the MSc(Applied) in Nursing; Non-Thesis - Global Health Direct Entry program is on providing collaborative, trauma-informed, and culturally safe care. A strengths-based nursing and health care approach is used to work with underserved populations in limited resources and rural environments. The program emphasizes health equity focused content. The program includes a semester spent in a Global Health Partnership site (locally, provincially, or internationally) that focuses on clinical and project-based work. The completion of a Qualifying Year (QY) is mandatory before applying to Year 1 of this program. Upon completion, graduates are eligible to write the OIIQ licensing exam.

### Required Courses (61 credits)

Expand allContract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| IPEA 502 | Partnership in Interprofessional Teams       | 0       |
| IPEA 503 | Managing Interprofessional Conflict.         | 0       |
| NUR2 515 | Applied Statistics for Nursing.              | 3       |
| NUR2 516 | Perspectives on Global Health.               | 3       |
| NUR2 606 | Clinical Reasoning in a Global Context .     | 3       |
| NUR2 607 | Children's Nursing                           | 3       |
| NUR2 609 | Nursing Care of Children and their Families. | 3       |
| NUR2 610 | Ambulatory/Community Care.                   | 3       |
| NUR2 611 | Policy Leadership in Nursing.                | 3       |
| NUR2 612 | Research Methods in Nursing                  | 3       |
| NUR2 616 | Advanced Clinical Skills.                    | 4       |
| NUR2 619 | Nursing Clinical Skills Laboratory 4.        | 1       |
| NUR2 621 | Wound Care 2.                                | 2       |
| NUR2 623 | Clinical Assessment and Therapeutics 1.      | 3       |
| NUR2 626 | Professional Issues in Nursing.              | 3       |
| NUR2 630 | Research Project 1.                          | 3       |
| NUR2 631 | Research Project 2.                          | 6       |
| NUR2 632 | Research Project 3.                          | 3       |
| NUR2 634 | Clinical Assessment and Therapeutics 2.      | 3       |
| NUR2 636 | Global Health Nursing Internship.            | 3       |
| NUR2 638 | Nursing in Critical Care.                    | 3       |
| NUR2 642 | Ethics in Advanced Practice.                 | 3       |

## Nurse Practitioner (Non-Thesis): Adult Care (M.Sc.A.) (45 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

### Program Description

The Master of Science(Applied) in Nurse Practitioner; Non-Thesis - Adult Care is open to Bachelor's prepared nurses and is taken concurrently with the Graduate Diploma in Nurse Practitioner - Adult Care. This course of study is designed to prepare students to assume the full scope of Adult Care Nurse Practitioner practice. Adult Care Nurse practitioners provide advanced-practice nursing care (including performing assessments, forming medical impressions, providing treatments, and ensuring continuity of care) to the adult population with complex acute, chronic or critical health issues, requiring secondary and tertiary line of care. The program is built on a foundation of Strengths-Based Nursing care of individuals, families and communities.

### Required Courses (42 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 515 | Applied Statistics for Nursing.       | 3       |
| NUR2 608 | Seminar in Nursing.                   | 3       |
| NUR2 611 | Policy Leadership in Nursing.         | 3       |
| NUR2 612 | Research Methods in Nursing           | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1. | 3       |
| NUR2 618 | Clinical in Family Systems Nursing 2. | 3       |
| NUR2 626 | Professional Issues in Nursing.       | 3       |
| NUR2 642 | Ethics in Advanced Practice.          | 3       |
| NUR3 646 | Advanced Adult Health Assessment.     | 6       |
| NUR3 648 | Clinical Seminar in Adult Care 1      | 1       |
| NUR3 649 | Clinical Seminar in Adult Care 2      | 1       |
| NUR3 658 | Adult Care Internship 1.              | 13      |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 600 | Knowledge Translation in Healthcare . | 3       |
| NUR2 603 | Teaching and Learning in Nursing .    | 3       |

## Nurse Practitioner (Non-Thesis): Mental Health (M.Sc.A.) (45 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

**\*\* New Program.** This program replaces the M.Sc.A. Nursing (Non-Thesis) : Mental Health Nurse Practitioner. **\*\***

The M.Sc.(A.) in Nurse Practitioner; Non-Thesis – Mental Health, in combination with the Graduate Diploma in Mental Health Nurse Practitioner, focuses on assessment, diagnosis, care and treatment of mental illness in primary, secondary and tertiary care settings.

## Required Courses (42 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 515 | Applied Statistics for Nursing.       | 3       |
| NUR2 608 | Seminar in Nursing.                   | 3       |
| NUR2 611 | Policy Leadership in Nursing.         | 3       |
| NUR2 612 | Research Methods in Nursing           | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1. | 3       |
| NUR2 626 | Professional Issues in Nursing.       | 3       |
| NUR2 642 | Ethics in Advanced Practice.          | 3       |

|          |                                                     |    |
|----------|-----------------------------------------------------|----|
| NUR3 656 | Mental Health Internship 1.                         | 12 |
| NUR3 690 | Reasoning in Mental Health 1.                       | 3  |
| NUR3 694 | Reasoning in Mental Health 5.                       | 3  |
| NUR3 699 | Pharmacology for Mental Health Nurse Practitioners. | 3  |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 600 | Knowledge Translation in Healthcare . | 3       |
| NUR2 603 | Teaching and Learning in Nursing .    | 3       |

## Nurse Practitioner (Non-Thesis): Neonatal (M.Sc.A.) (45 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

## Program Description

The Master of Science(Applied) in Nurse Practitioner; Non-Thesis - Neonatal, in conjunction with the Graduate Diploma Neonatal Nurse Practitioner, focuses on the multifaceted role of the neonatal nurse practitioner in a variety of acute, intermediate and critical care neonatal settings, including advanced assessment, clinical reasoning, diagnosis and other skills to enact the legislated scope of practice of the neonatal nurse practitioner. Students who complete the Neonatal Nurse practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Neonatal Nurse Practitioner specialty (licensing) examination.

## Required Courses (42 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 608 | Seminar in Nursing.                   | 3       |
| NUR2 611 | Policy Leadership in Nursing.         | 3       |
| NUR2 612 | Research Methods in Nursing           | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1. | 3       |
| NUR2 626 | Professional Issues in Nursing.       | 3       |
| NUR2 642 | Ethics in Advanced Practice.          | 3       |
| NUR3 660 |                                       |         |
| NUR3 661 |                                       |         |
| NUR3 662 |                                       |         |
| NUR3 663 |                                       |         |
| NUR3 664 |                                       |         |
| NUR3 666 |                                       |         |

## Complementary Courses (3 credits)

3 credits from the following:

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 600 | Knowledge Translation in Healthcare . | 3       |
| NUR2 603 | Teaching and Learning in Nursing .    | 3       |

## Nurse Practitioner (Non-Thesis): Pediatric (M.Sc.A.) (45 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

### Program Description

The Master of Science (Applied) in Nurse Practitioner; Non-Thesis-Pediatric, in conjunction with the Graduate Diploma Pediatric Nurse Practitioner, focuses on the multifaceted role of the pediatric nurse practitioner in a variety of acute, intermediate and critical care pediatric settings including advanced assessment, clinical reasoning, diagnosis and other skills to reflect the legislated scope of practice of the pediatric nurse practitioner. Students who complete the Pediatric Nurse Practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Pediatric Nurse Practitioner specialty certification examination.

### Required Courses (42 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| NUR2 608 | Seminar in Nursing.                              | 3       |
| NUR2 611 | Policy Leadership in Nursing.                    | 3       |
| NUR2 612 | Research Methods in Nursing                      | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1.            | 3       |
| NUR2 642 | Ethics in Advanced Practice.                     | 3       |
| NUR3 680 | Reasoning in Pediatric and Children's Nursing 1. | 4       |
| NUR3 681 | Reasoning in Pediatric and Children's Nursing 2. | 6       |
| NUR3 682 | Reasoning in Pediatric and Children's Nursing 3. | 4       |
| NUR3 684 | Reasoning in Pediatric and Children's Nursing 4. | 10      |
| NUR3 689 | Pharmacology for Pediatric Nurse Practitioners.  | 3       |

## Complementary Courses (3 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 600 | Knowledge Translation in Healthcare . | 3       |
| NUR2 603 | Teaching and Learning in Nursing .    | 3       |
| NUR2 626 | Professional Issues in Nursing.       | 3       |

## Nurse Practitioner (Non-Thesis): Primary Care (M.Sc.A.) (45 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science Applied

**Program credit weight:** 45

### Program Description

**\*\* New Program.** This program replaces the (M.Sc.A.) Nursing (Non-Thesis): Primary Care Practitioner. **\*\***

The Master of Science(Applied) Nurse Practitioner; Non-Thesis – Primary Care is open to nurses with a Bachelor of Science in Nursing degree and is taken in combination with the Graduate Diploma in Primary Care Nurse Practitioner. The program focuses on a wide range of acute and chronic health concerns across the life span and includes activities related to assessment, diagnosis and treatment within the primary care nurse practitioner's legally sanctioned scope of practice. Graduates may be eligible to be a candidate for the Ordre des infirmières et infirmiers du Québec's Primary Care Nurse Practitioner specialty examination.

### Required Courses (42 credits)

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| NUR2 608 | Seminar in Nursing.                           | 3       |
| NUR2 611 | Policy Leadership in Nursing.                 | 3       |
| NUR2 612 | Research Methods in Nursing                   | 3       |
| NUR2 617 | Clinical in Family Systems Nursing 1.         | 3       |
| NUR2 642 | Ethics in Advanced Practice.                  | 3       |
| NUR3 670 | Reasoning in Primary Care Practice 1.         | 4       |
| NUR3 671 | Reasoning in Primary Care Practice 2.         | 3       |
| NUR3 672 | Reasoning in Primary Care Practice 3.         | 8       |
| NUR3 673 | Primary Care Health and Physical Assessment 1 | 4       |
| NUR3 674 | Reasoning in Primary Care Practice 4.         | 6       |
| NUR3 676 | Primary Care Health and Physical Assessment 2 | 2       |

## Complementary Courses (3 credits)

3 credits from the following:

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| NUR2 600 | Knowledge Translation in Healthcare . | 3       |
| NUR2 603 | Teaching and Learning in Nursing .    | 3       |
| NUR2 626 | Professional Issues in Nursing.       | 3       |

## Adult Care Nurse Practitioner (Gr. Cert.) (21 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 21

### Program Description

The Graduate Certificate in Nurse Practitioner - Adult Care is taken concurrently with the Graduate Diploma in Nurse Practitioner - Adult Care by students entering the program with a Master's of Nursing. This course of study is designed to prepare students to assume the full scope of Adult Care Nurse Practitioner practice. Adult Care Nurse practitioners provide advanced practice, including advanced-practice nursing care to the adult population with complex acute, chronic or critical health issues, requiring secondary and tertiary line of care. The program is built on a foundation of Strengths-Based Nursing care of individuals, families and communities.

### Required Courses (21 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| NUR3 646 | Advanced Adult Health Assessment. | 6       |
| NUR3 648 | Clinical Seminar in Adult Care 1  | 1       |
| NUR3 649 | Clinical Seminar in Adult Care 2  | 1       |
| NUR3 658 | Adult Care Internship 1.          | 13      |

## Neonatal Nurse Practitioner (Gr. Cert.) (24 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 24

### Program Description

The Graduate Certificate in Neonatal Nurse Practitioner, in conjunction with the Graduate Diploma in Neonatal Nurse Practitioner, is intended for those entering the program with a Master's of Nursing. The program focuses on the multifaceted role of the neonatal nurse practitioner in a variety of acute, intermediate and critical neonatal care settings. Throughout the program, the emphasis is on advanced assessment, clinical reasoning, diagnosis and other skills to enact the full legislated scope of practice. The program is structured to focus on the ability to function as an educator, consultant, collaborator and leader. Students who complete the Neonatal Nurse Practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Neonatal Nurse Practitioner specialty (licensing) examination.

### Required Courses (24 credits)

Expand allContract all

| Course   | Title | Credits |
|----------|-------|---------|
| NUR3 660 |       |         |
| NUR3 661 |       |         |
| NUR3 662 |       |         |
| NUR3 663 |       |         |

NUR3 664

NUR3 666

## Mental Health Nurse Practitioner (Gr. Cert.) (21 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 21

### Program Description

The Graduate Certificate in Mental Health Nurse Practitioner, in combination with the Graduate Diploma in Mental Health Nurse Practitioner, focuses on the competencies required to assume the advanced practice nursing role of the mental health nurse practitioner, including the assessment, diagnosis, care and treatment of mental illness in primary, secondary and tertiary care settings.

### Required Courses (21 credits)

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| NUR3 656 | Mental Health Internship 1.                         | 12      |
| NUR3 690 | Reasoning in Mental Health 1.                       | 3       |
| NUR3 694 | Reasoning in Mental Health 5.                       | 3       |
| NUR3 699 | Pharmacology for Mental Health Nurse Practitioners. | 3       |

## Pediatric Nurse Practitioner (Gr. Cert.) (27 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 27

### Program Description

The Graduate Certificate in Pediatric Nurse Practitioner is completed in conjunction with the Graduate Diploma in Pediatric Nurse Practitioner [for those entering the program with a Master of Nursing]. The program focuses on the multifaceted role of the pediatric nurse practitioner (PNP) in a variety of acute, intermediate and critical care pediatric settings. Emphasis on advanced assessment, clinical reasoning, diagnosis and other skills related to reflect the full legislated scope of PNP practice. The program is structured to focus on the ability to function as a clinician, educator, consultant, collaborator and leader. Students who complete the Pediatric Nurse Practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Pediatric Nurse Practitioner specialty certification examination.

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                                            | Credits |
|----------|--------------------------------------------------|---------|
| NUR3 680 | Reasoning in Pediatric and Children's Nursing 1. | 4       |
| NUR3 681 | Reasoning in Pediatric and Children's Nursing 2. | 6       |

|          |                                                  |    |
|----------|--------------------------------------------------|----|
| NUR3 682 | Reasoning in Pediatric and Children's Nursing 3. | 4  |
| NUR3 684 | Reasoning in Pediatric and Children's Nursing 4. | 10 |
| NUR3 689 | Pharmacology for Pediatric Nurse Practitioners.  | 3  |

## Primary Care Nurse Practitioner (Gr. Cert.) (27 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 27

### Program Description

The Graduate Certificate in Primary Care Nurse Practitioner is open to nurses who have previously completed a Master of Science in Nursing and is taken in combination with the Graduate Diploma in Primary Care Nurse Practitioner. This program focuses on a wide range of acute and chronic health concerns across the life span and includes activities related to assessment, diagnosis and treatment within the primary care nurse practitioner's legally sanctioned scope of practice. Graduates may be eligible to be a candidate for the Ordre des infirmières et infirmiers du Québec's Primary Care Nurse Practitioner certification examination.

### Required Courses (27 credits)

Expand allContract all

| Course   | Title                                         | Credits |
|----------|-----------------------------------------------|---------|
| NUR3 670 | Reasoning in Primary Care Practice 1.         | 4       |
| NUR3 671 | Reasoning in Primary Care Practice 2.         | 3       |
| NUR3 672 | Reasoning in Primary Care Practice 3.         | 8       |
| NUR3 673 | Primary Care Health and Physical Assessment 1 | 4       |
| NUR3 674 | Reasoning in Primary Care Practice 4.         | 6       |
| NUR3 676 | Primary Care Health and Physical Assessment 2 | 2       |

## Adult Care Nurse Practitioner (Gr. Dip.) (30 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 30

### Program Description

The Graduate Diploma complements the Master of Science (Applied) in Nurse Practitioner; Non-Thesis - Adult Care concentration and fulfills the requirements for entry-to-practice as an Adult Care NP as per the Ordre des infirmières et infirmiers du Québec (OIIQ). The Graduate Diploma and the MSc(A) are taken concurrently by students entering the program with a Bachelor's Degree. Students entering the program already having completed a Master's in nursing degree take the Graduate Diploma and Graduate Certificate Nurse Practitioner - Adult Care concurrently. The admission requirements for this concentration are the same as those for our existing NP programs: a Bachelor's or Master's degree in Nursing (comparable to those offered at McGill); a minimum GPA of 3.2 on a scale of 4.0 in previous nursing studies; and 3360 hours of nursing experience in the specialty (i.e. acute adult

care). Please see the Executive Summary document for additional information.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| NUR3 643 | Reasoning in Adult Care 1. | 3       |
| NUR3 644 | Reasoning in Adult Care 2. | 4       |
| NUR3 645 | Reasoning in Adult Care 3. | 6       |
| NUR3 647 | Reasoning in Adult Care 4. | 6       |
| NUR3 659 | Adult Care Internship 2    | 11      |

## Mental Health Nurse Practitioner (Gr. Dip.) (30 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 30

### Program Description

The Graduate Diploma in Mental Health Nurse Practitioner, in combination with the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Mental Health or with the Graduate Certificate in Mental Health Nurse Practitioner, focuses on the competencies required to assume the advanced practice nursing role of the mental health nurse practitioner, including the assessment, diagnosis, care and treatment of mental illness in primary, secondary and tertiary care settings.

### Required Courses (30 credits)

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| NUR3 657 | Mental Health Internship 2.   | 12      |
| NUR3 691 | Reasoning in Mental Health 2. | 6       |
| NUR3 692 | Reasoning in Mental Health 3. | 6       |
| NUR3 693 | Reasoning in Mental Health 4. | 6       |

## Neonatal Nurse Practitioner (Gr. Dip.) (30 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 30

### Program Description

The Graduate Diploma in Neonatal Nurse Practitioner, in conjunction with either the M.Sc.(A) in Nurse Practitioner; Non-Thesis - Neonatal (for those entering the program with a Bachelor's in Nursing) or the Graduate Certificate in Neonatal Nurse Practitioner (for those entering the program with a Master's in Nursing), focuses on the multifaceted role of the neonatal nurse practitioner in a variety of acute, intermediate and critical care neonatal settings, including advanced assessment, clinical reasoning, diagnosis and other skills to enact the full-legislated scope of practice. Students who complete



the Neonatal Nurse practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Neonatal Nurse Practitioner specialty (licensing) examination.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| NUR3 665 | Common Procedures in Neonatal Practice. | 3       |
| NUR3 667 | Clinical Seminar in Neonatal Practice.  | 2       |
| NUR3 668 | Internship in Neonatal Practice 1.      | 12      |
| NUR3 669 | Internship in Neonatal Practice 2.      | 13      |

## Pediatric Nurse Practitioner (Gr. Dip.) (30 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 30

## Program Description

The Graduate Diploma in Pediatric Nurse Practitioner, in conjunction with either the M.Sc.(A.) in Nurse Practitioner ; NonThesis - Pediatric (for those entering the program with a Bachelor's in Nursing) or the Graduate Certificate in Pediatric Nurse Practitioner (for those entering the program with a Master in Nursing), focuses on the multifaceted role of the pediatric nurse practitioner in a variety of acute, intermediate and critical care pediatric settings including advanced assessment, clinical reasoning, diagnosis and other skills related to reflect the full legislated scope of Pediatric Nurse Practitioner practice. Students who complete the Pediatric Nurse Practitioner program are eligible to write the Ordre des infirmières et infirmiers du Québec's Pediatric Nurse Practitioner specialty certification examination.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                                  | Credits |
|----------|--------------------------------------------------------|---------|
| NUR3 654 | Internship in Pediatric and Children's Nursing 1       | 12      |
| NUR3 655 | Internship in Pediatric and Children's Nursing 2       | 12      |
| NUR3 683 | Children and Youth Health Assessment 1.                | 2       |
| NUR3 685 | Children and Youth Health Assessment 2.                | 2       |
| NUR3 686 | Clinical Seminar in Pediatric and Children's Nursing 1 | 1       |
| NUR3 687 | Clinical Seminar in Pediatric and Children's Nursing 2 | 1       |

## Primary Care Nurse Practitioner (Gr. Dip.) (30 credits)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Program credit weight:** 30

## Program Description

The Graduate Diploma in Primary Care Nurse Practitioner, taken in conjunction with either the M.Sc.(A.) in Nurse Practitioner; Non-Thesis - Primary Care (for those entering the program with a Bachelor of Science in Nursing) or the Graduate Certificate in Primary Care Nurse Practitioner (for those entering the program with a Master of Science in Nursing), focuses on a wide range of acute and chronic health concerns across the life span and includes activities related to assessment, diagnosis and treatment within the primary care nurse practitioner's legally sanctioned scope of practice.

Graduates may be eligible to be a candidate for the Ordre des infirmières et infirmiers du Québec's Primary Care Nurse Practitioner certification examination.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                  | Credits |
|----------|----------------------------------------|---------|
| NUR3 652 | Internship in Primary Care Practice 1  | 12      |
| NUR3 653 | Internship in Primary Care Practice 2. | 12      |
| NUR3 675 | Applied Reasoning in Primary Care.     | 4       |
| NUR3 677 | Clinical Seminar in Primary Care 1     | 1       |
| NUR3 678 | Clinical Seminar in Primary Care 2     | 1       |

## Nursing (Ph.D.)

**Offered by:** Ingram School of Nursing (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The PhD in Nursing focuses on the advancement of knowledge, practice, and education in 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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| NUR2 701 | Comprehensive Examination.     | 0       |
| NUR2 702 | Quantitative Research.         | 3       |
| NUR2 706 | Qualitative Nursing Research.  | 3       |
| NUR2 711 | PhD Seminar 1.                 | 1       |
| NUR2 712 | PhD Seminar 2.                 | 1       |
| NUR2 713 | PhD Seminar 3.                 | 1       |
| NUR2 730 | Theory Development in Nursing. | 3       |

## Complementary Courses (6 credits)

6 credits of courses at the 500 level or higher chosen in consultation with the thesis supervisor.

# Physical and Occupational Therapy

Excellence in research and teaching is the foundation and tradition of the School of Physical and Occupational Therapy, situated on McGill University's upper campus in a gracious downtown area of the beautiful city of Montreal, Quebec. The Faculty educates rehabilitation professionals and, through research, generates the body of knowledge which guides our professions to advance the health, function, and participation of the individual in society.

## About the School of Physical and Occupational Therapy

As part of McGill's Faculty of Medicine and Health Sciences, we are proud of the outstanding academic environment we offer to our students. The School of Physical and Occupational Therapy is situated on McGill University's Downtown Campus in the beautiful city of Montreal, Quebec.

The school offers master's and doctoral programs in three areas:

- Occupational Therapy
- Physical Therapy
- Rehabilitation Science

Two Graduate Certificate programs are also offered in Driving Rehabilitation and Chronic Pain Management.

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.

## Professional Profiles

### Occupational Therapy

Occupational therapy examines all aspects of how occupation as a therapeutic intervention enhances and enables health-related quality of life. Individuals who are affected by physical injury, disability, or psychosocial dysfunction are among the clientele served by occupational therapists. Occupational therapy maximizes independence, prevents disability, and promotes health across the lifespan, from early intervention in infancy to preventive interventions with older adults. In the field of mental health, the occupational therapist contributes to clarifying the functional psychiatric diagnosis and assists clients in coping with environmental stress and integration into the community.

Further information is available from the Canadian Association of Occupational Therapists.

### Physical Therapy

Physical Therapy (a.k.a., physiotherapy) is a primary care, autonomous, client-focused health profession dedicated to: improving and maintaining functional independence and physical performance; preventing and managing pain, physical impairments, disabilities, and

limits to participation; and promoting fitness, health, and wellness (via Canadian Physiotherapy Association).

Physical therapists use exercise, physical modalities, manual therapy approaches, assistive devices, and lifestyle management to help individuals obtain maximal functional potential. The physical therapist is a health professional who contributes to the multidisciplinary team through patient evaluation, treatment planning and delivery, education, research, and consultation in clinics, industry, and the community.

## Clinical Placements, Language, Vaccination, and CPR Requirements

Clinical hours necessary to obtain membership in both the national associations and provincial licensing bodies for each profession are included within the professional master's programs (M.Sc.A.OT. and M.Sc.A.PT.). This standard is compatible with the licensing requirements in other provinces where legislation is in force.

Working knowledge of both English and French is essential for students who will be working in clinical affiliations throughout the province of Quebec. French is the official language in Quebec and thus health and social services administered by the Ministry of Health are bound by the Charter of the French Language. This means that all health and social service institutions operate in French. Certain institutions have a bilingual mandate for patient care, but team meetings and dealings with third party agencies operate in French only. Some of the clinical communication competencies you will exercise during your studies include: listening to a client or their family describe the reason for consulting, asking questions to learn more, explaining a condition in formal and informal terms, and communicating with other healthcare professionals such as doctors, nurses, and physiotherapists. This could be in-person, on the phone, or with written documentation.

As such, all applicants should be aware that any clinical placements in the province of Quebec require the ability to communicate (written and oral) in French. Refer to the details for the admission requirements of proof of French proficiency in the Qualifying Year Admissions Guides.

Students must therefore possess the recommended minimum level of oral and written French, as outlined in the admission guides, prior to the start of clinical practica. Students who do not speak French will have limited clinical placement opportunities. This may result in delayed graduation from the program.

Valid CPR/AED Level (Health Care Provider) certification or equivalent is required prior to going into any of the clinical affiliation placements and must be maintained throughout the professional master's program.

## Vaccinations

Prior to starting their first clinical course, students registered in a health care program will need to ensure that they have completed all required series of immunizations prior to being placed in a clinical setting. We recommend starting the process as soon as possible as some vaccines may require you to follow immunization schedules that last several months. Students must upload their immunization file to the Wellness portal in September of their U3 or Qualifying Year. Once their file is reviewed by the Wellness Hub, it can take several months for students to complete missing vaccinations. All vaccination requirements must be marked "Complete" by the Wellness Hub by March 1 of the U3 or Qualifying Year at the latest, in preparation for the M1 summer term of two clinical courses.

The Wellness Hub manages all follow up and vaccination information to maintain medical confidentiality from the School of Physical and Occupational Therapy.

For complete details, consult the Student Wellness Hub. Please also refer to the Vaccination/Immunization Requirements for Health Sciences Programs in the Undergraduate Course Catalogue's Health Professions – Immunization Requirement. (p. 36)

## Admission Requirements and Application Procedures

### Admission Requirements

#### Language Requirements

Applicants to a 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 86 on the Internet-based test (iBT), with each component score not less than 20; or
- IELTS (International English Language Testing System) with a minimum overall band score of 6.5.

**Note:** McGill University's Institutional code for the TOEFL and GRE is **0935**;

**Note:** French Language Competency requirement for QY Admissions to the M.Sc.(A.) OT. or the M.Sc.(A.) PT. program.

#### M.Sc. in Rehabilitation Science (Thesis)

1. A Bachelor of Science 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 a 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 must meet the language requirements listed above.

If a graduate student accepted into the Master of Science 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 4 as above; plus two years of clinical experience is recommended.

#### M.Sc., Applied, in Occupational Therapy or the M.Sc., Applied, in Physical Therapy

Entry to professional practice in Occupational Therapy requires the completion of a Master of Science, Applied, degree in Occupational Therapy (M.Sc.(A.) OT.). The MSc(A) OT program is only open to applicants who have completed McGill's B.Sc.Rehab.Sc. majoring in Occupational Therapy or Qualifying Year to the M.Sc.(A.) OT.

Entry to professional practice in Physical Therapy requires the completion of a Master of Science, Applied, degree in Physical Therapy

(M.Sc.(A.) PT.). The M.Sc.(A.) PT. program is only open to applicants who have completed McGill's B.Sc. Rehab.Sc. majoring in Physical Therapy or the Qualifying Year to the M.Sc.(A.) PT. program.

Entry to both the M.Sc.(A.) OT. and M.Sc.(A.) PT. programs requires applicants to have a minimum CGPA of 3.0 in the related B.Sc. Rehab Science or Qualifying Year program. Even if the CGPA requirement is met, the Promotions and Review Committee for the program may recommend that an applicant not be admitted to the Master's program if, during the Bachelor's program or Qualifying Year, that individual has (i) documented performance deficiencies (e.g., academic integrity and professional behaviour) and/or (ii) shown insufficient progression toward the program's Essential Skills and Attributes.

Students from McGill or elsewhere who do not hold the degree in Bachelor of Science (Rehabilitation Science) – Major in Occupational Therapy or Physical Therapy must apply to the Master's program via a graduate Qualifying Year, or have the option to first apply to the Bachelor of Science (Rehabilitation Science) – Major in Occupational Therapy or Physical Therapy and proceed to the Master of Science, Applied, degree in the same discipline.

## Qualifying Year

Students admitted to a Qualifying program are known as Qualifying Students for a Master's. They must meet the application and admission requirements indicated by the chosen graduate department and the Graduate Admissions Unit of Enrolment Services. 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.

#### Qualifying Year for Entry into M.Sc.(A.) OT.

1. An undergraduate degree or equivalent in any subject from a university of recognized reputation;
2. Evidence of high academic achievement in one's undergraduate degree, equivalent to a McGill CGPA of 3.0 or higher;
3. No prerequisite courses; completion of optional background courses is recommended;
4. Completion of the Canadian Professional Health Sciences Casper Test (The Casper Test is administered by Acuity Insight);
5. Completion of all application components set out in the Occupational Therapy Qualifying Year Admissions Guide;
6. Applicants must meet the English language requirements listed above, although a minimum overall band score of 7.0 is required for IELTS (International English Language Testing System);
7. Proof of French language competency. Refer to Occupational Therapy Qualifying Year Admissions Guide.

Further information regarding the Qualifying Year is available at [mcgill.ca/spot/programs/admissions-0/professional-programs](http://mcgill.ca/spot/programs/admissions-0/professional-programs).

#### Qualifying Year for Entry into M.Sc.(A.) PT.

1. An undergraduate degree or equivalent in any subject from a university of recognized reputation;
2. Evidence of high academic achievement in all undergraduate coursework, equivalent to a McGill CGPA of 3.2 or higher;
3. At least three McGill-equivalent credits in Human Anatomy and at least three McGill-equivalent credits of Human or Mammalian

Physiology, with a McGill-equivalent grade of B (70–74%) or higher, completed prior to the start of the Qualifying year;

4. Completion of the Canadian Professional Health Sciences Casper Test (The Casper Test is administered by Acuity Insight);
5. Completion of all application components set out in the Physical Therapy Qualifying Year Admissions Guide;
6. Applicants must meet the English language requirements listed above, although a minimum overall band score of 7.0 is required for IELTS (International English Language Testing System).;
7. Proof of French language competency. Refer to the Physical Therapy Qualifying Year Admissions Guide.

Further information regarding the Qualifying year is available at [mcgill.ca/spot/programs/admissions-0/professional-programs](http://mcgill.ca/spot/programs/admissions-0/professional-programs).

### Ph.D. in Rehabilitation Science

1. An M.Sc. degree in a rehabilitation-related discipline or related field from a university of recognized reputation;
2. Evidence of high academic achievement, equivalent to a B+ Standing, or a McGill CGPA of 3.3 (75–79%) is required;
3. Applicants must meet the language requirements listed above.

### Graduate Certificate in Driving Rehabilitation

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 a B Standing or a McGill CGPA of 3.0 (70–74%);
3. See point 4 under M.Sc. in Rehabilitation Science (Thesis) above for more information on language requirements.

### Graduate Certificate in Chronic Pain Management

1. A B.Sc. degree or equivalent in a health-related discipline from a university of recognized reputation;
2. Evidence of high academic achievement, equivalent to a B standing or a McGill CGPA of 3.0 (70–74%);
3. See points 4 under M.Sc. in Rehabilitation Science (Thesis) above for more information on language requirements.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See Application Procedures (p. 53) for detailed application procedures.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum vitae
- Two years of clinical experience — recommended for M.Sc. in Rehabilitation Science (Non-Thesis).

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Physical and Occupational Therapy and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** Applications for Winter term admission will not be considered (except for Graduate Certificate in Chronic Pain Management).

## Available Programs

- Chronic Pain Management (Gr. Cert.) (15 credits) (p. 476)
- Driving Rehabilitation (Gr. Cert.) (15 credits) (p. 476)
- Occupational Therapy (Non-Thesis) (M.Sc.A.OT.) (63 credits) (p. 475)
- Physical Therapy (Non-Thesis) (M.Sc.A.PT.) (61-62 credits) (p. 474)
- Rehabilitation Science (Non-Thesis) (M.Sc.) (45 credits) (p. 474)
- Rehabilitation Science (Ph.D.) (p. 475)
- Rehabilitation Science (Thesis) (M.Sc.) (45 credits) (p. 473)

## Location

School of Physical and Occupational Therapy  
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Telephone: 514-398-4500

Website: [mcgill.ca/spot](http://mcgill.ca/spot)

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# Becoming a Licensed Occupational or Physical Therapist

The Undergraduate programs in Physical and Occupational Therapy provide access to the professional master's programs in the same discipline. For more information on our graduate programs, refer to the School of Physical and Occupational Therapy's graduate section of the Course Catalogue and the School website's graduate Occupational Therapy and Physical Therapy sections.

## Licensing Regulations

Graduates who complete the Master of Science (Applied) in Occupational Therapy (M.Sc.A.OT.) or the Master of Science (Applied) in Physical Therapy (M.Sc.A.PT.) degree are eligible to seek licensure. Graduates from McGill may seek licensure worldwide. Each country, province, or state sets its own requirements for licensure, which may necessitate examination, further course work, and/or the TOEFL. Those intending to practice occupational therapy or physical therapy within their borders must comply with special provincial or state licensing regulations.

Further information regarding Canadian requirements may be obtained from the offices of the associations listed under Professional Organizations below.

In order to practice occupational therapy or physical therapy in the province of Quebec, a permit must be obtained from the appropriate provincial regulatory body. Quebec law also requires that candidates seeking admission to the provincially recognized Quebec regulatory bodies must possess a working knowledge of the French language—i.e., be able to communicate verbally and in writing in that language. For further information, refer to Language Requirements for Professions.

Occupational therapists practising in Canada (except Quebec) are required to pass a National Certification Examination after graduation. For information, contact the Canadian Association of Occupational Therapists (refer to Professional Organizations below).

As of 1993, all Physical Therapy graduates who wish to practice in provinces in Canada (other than Quebec) are required to pass a Physiotherapy National Examination or provide proof of licensing in Quebec. For confirmation, contact the Canadian Alliance of Physiotherapy Regulators (refer to Professional Organizations below).

## Program Accreditation

The Professional Master's program has received accreditation status by Physiotherapy Education Accreditation Canada.

The Occupational Therapy program is accredited by the Canadian Association of Occupational Therapists.

## Professional Organizations

### Canadian National Offices

Canadian Association of Occupational Therapists  
2720 Queensview Dr., Unit 1142  
Ottawa, ON K2B 1A5 Canada  
Telephone: 613-523-CAOT (2268); 1-800-434-CAOT (2268) (toll-free)  
Website: caot.ca

Canadian Physiotherapy Association  
National Office  
350 Sparks St., Suite 1209  
Ottawa, ON K1R 7S8  
Telephone: 613-564-5454; 1-800-387-8679 (toll free)  
Email: information@physiotherapy.ca  
Website: physiotherapy.ca

Canadian Alliance of Physiotherapy Regulators  
1243 Islington Ave., Suite 501  
Toronto ON M8X 1Y9  
Telephone: 416-234-8800  
Website: alliancept.org

### Quebec Provincial Offices

Ordre des ergothérapeutes du Québec  
2021 avenue Union, bureau 920  
Montréal, QC H3A 2S9  
Telephone: 514-844-5778; 1-800-265-5778 (toll free)  
Email: ergo@oeq.org  
Website: oeq.org

Ordre professionnel de la physiothérapie du Québec  
7151 rue Jean-Talon est, bureau 700  
Anjou, QC H1M 3N8  
Telephone: 514-351-2770; 1-800-361-2001 (toll free)  
Email: physio@oppq.qc.ca  
Website: oppq.qc.ca

### International Offices

Please check websites of individual countries and states for specific licensing requirements.

## Student Evaluation and Promotion

### Degree Requirements for the Master of Science (Applied) – Occupational Therapy (M.Sc.A.OT.), and the Master of Science (Applied) – Physical Therapy (M.Sc.A.PT.)

To enter professional practice, students must complete an M.Sc.A. in Occupational Therapy (OT) or Physical Therapy (PT). Therefore, graduates of the Bachelor of Science in Rehabilitation (OT or PT) must continue to the M.Sc.A.OT. or M.Sc.A.PT. programs to qualify for professional practice.

Students who graduate with the B.Sc. Rehab.Sc. degree with the required CGPA of 3.0 or better will be considered for acceptance into the same discipline of the Master of Science (Applied) program that commences in the summer following graduation. For full details, refer to the Rules and Regulations documents on the Master of Science (Applied) in Occupational Therapy or Master of Science (Applied) in Physical Therapy page.

Entry to the M.Sc.A.OT. or M.Sc.A.PT. programs requires students to have a minimum CGPA of 3.0. Even when the CGPA requirement is attained, the Occupational Therapy Promotions and Review Committee (OTPRC) or the Physical Therapy Promotion and Review Committee (PTPRC) may recommend that a student not be admitted to the Master's program if, during the Bachelor's program:

1. the student has had three or more documented performance deficiencies (flags), with or without probationary status; or
2. the student has not progressed sufficiently toward achievement of the required skills and attributes for entry to practice.

Students from McGill or elsewhere who do not hold the B.Sc.Rehab.Sc. Major in Occupational or Physical Therapy degree must apply to the Master's program via a graduate Qualifying Year, or have the option to first apply to the undergraduate degree of B.Sc.Rehab.Sc. Major in OT or PT and proceed to the M.Sc.A. degree in the same discipline.

For further details and other requirements, please refer to the Graduate and Postdoctoral Studies School of Physical and Occupational Therapy (p. 468) section. Complete admissions information can be found on the the School of Physical and Occupational Therapy Admissions page.

### Student Evaluation and Promotion for M.Sc.A. in Occupational Therapy and Physical Therapy

Academic matters are the jurisdiction of the Occupational Therapy Promotion and Review Committee (OTPRC) or the Physical Therapy Promotion and Review Committee (PTPRC). The OTPRC and the PTPRC review the academic record, professional conduct, and general performance of students throughout the Occupational Therapy and Physical Therapy programs. It exercises final authority to determine a student's competence and suitability for the practice of occupational therapy or physical therapy and, hence, makes final decisions on all matters related to promotion and graduation.

For complete rules and regulations regarding student promotions, along with the below resource documents, refer to the following School of Physical and Occupational Therapy program documents on the Master of Science (Applied) in Occupational Therapy or Master of Science (Applied) in Physical Therapy page:

- Important Information for Students
- Rules and Regulations
- Curriculum
- Code of Conduct
- Essential Skills and Attributes
- Process-McGill's Office for Student Accessibility and Achievement
- Resources for learners

Students in Occupational Therapy or Physical Therapy must successfully complete a total of 30 credits in the Qualifying Year (QY) in Occupational Therapy or Physical Therapy, or have obtained the B.Sc.Rehab.Sc. Major Occupational Therapy or Physical Therapy followed by 63 credits (OT Program) or by 62 credits (PT Program) in the corresponding M.Sc.A. degree. They must successfully complete all courses in the respective M.Sc.A. curricula and be in Satisfactory Standing to obtain the degree of M.Sc.A.OT. or PT.

Due to the sequential nature of the programs, the Occupational Therapy and Physical Therapy programs are full-time programs of study. Exceptions may be possible provided that students have obtained written permission from the Promotions and Review Committee to register part-time. Further information on the curriculum

is available at [mcgill.ca/spot/programs/ot/curriculum](http://mcgill.ca/spot/programs/ot/curriculum) (OT curriculum) or [mcgill.ca/spot/programs/pt/curriculum](http://mcgill.ca/spot/programs/pt/curriculum) (PT curriculum).

Students enrolled full-time in the M.Sc.A.OT. or PT. program must complete all degree requirements within three years of the date of initial registration in this program. In the situation of part-time studies, degree requirements must be completed within five years of the date of initial registration. Please consult McGill's Graduate and Postdoctoral Studies page for Time Limitation Policy.

The School's assessment and promotions and review policies are multi-faceted, and under constant review by the School of Physical and Occupational Therapy. The School reserves the right to change rules and regulations at any time, although in general such changes will not come into effect in the middle of an academic year or promotion period. For complete information about the School's rules and regulations, refer to the Important documents at [mcgill.ca/spot/programs/ot/master-science-applied-occupational-therapy](http://mcgill.ca/spot/programs/ot/master-science-applied-occupational-therapy) and [mcgill.ca/spot/programs/pt/professional-masters](http://mcgill.ca/spot/programs/pt/professional-masters).

You must successfully complete all the requirements of each promotion period before being permitted to enter the next promotion period. In order to be promoted to the next promotion period, a student must successfully complete all professional courses in each promotion period, as well as all requirements for inter-professional education courses.

The required minimum passing grade is a B- (65%) for all courses with the designation of OCC1, PHTH, and POTH. As well, for any course with the designation of OCC1, PHTH, or POTH, which comprises both individual and group evaluations, or both theoretical and practical evaluations, each student must pass every component in order to receive a passing grade for the course (the minimum passing grade is a B- (65%)).

**Note:** Courses with a Subject Code OCC1, PHTH, or POTH are reserved for students enrolled in programs within the School of Physical and Occupational Therapy.

No evaluation, examination mark, etc. shall be considered final until approved by the OTPRC or the PTPRC and is recorded on the student's official transcript. Only final grades submitted on Minerva are the official McGill grades; *myCourses* (McGill's Learning Management system) is a tool but not the source for final grades.

For the purposes of evaluation, the curriculum is broken down into the following promotion periods:

QY (Qualifying Year):

- Promotion Period 1 Fall September–December
- Promotion Period 2 Winter January–April

M1 and M2 (Master Years 1 and 2):

- Promotion Period 1 M1 Summer May–August
- Promotion Period 2 M1 Fall September–December
- Promotion Period 3 M1 Winter January–April
- Promotion Period 4 M2 Fall–program completion (includes summer research project)

## Failure Policy, Withdrawal, or Dismissal from the School of Physical and Occupational Therapy

When a student has failed one course, or one or more course components, or has been found to have been engaged in unethical or inappropriate conduct (i.e., unprofessional behaviour), the OTPRC or the PTPRC will automatically review the student's entire academic record and general performance.

A student will be withdrawn from the University, if the student fails two courses (i.e., two different courses, one failed course, plus a failed repeat of the same course or one failed course and a failed supplemental exam for that course). The student's transcript will thereafter indicate that the student was withdrawn from the University.

Failing a course in a Qualifying Year is equivalent to failing a course in a graduate program, and counts as a first failed course if a student is subsequently admitted to a graduate program in a related field. For full details, refer to the Failure Policy (p. 37).

Academic offences such as plagiarism and cheating on examinations and unethical or inappropriate conduct are considered serious offences which could lead to dismissal from the program.

A student who engages in criminal activity and/or who is found guilty of having violated the criminal code will have their dossier referred to the OTPRC or the PTPRC; this may be considered evidence of unsuitability for the practice of occupational therapy or physical therapy and grounds for dismissal from the program.

The School has the right to dismiss, at any time, any student who is considered incompetent and/or unsuitable for the practice of occupational therapy or physical therapy.

## Examinations

### General Information

Please refer to the Policy on Assessment of Student Learning (PASL) (available on the Secretariat website) as well to the Rules and Regulations document at [mcgill.ca/spot/programs/ot/master-science-applied-occupational-therapy](http://mcgill.ca/spot/programs/ot/master-science-applied-occupational-therapy) and [mcgill.ca/spot/programs/pt/professional-masters](http://mcgill.ca/spot/programs/pt/professional-masters) and Academic Integrity, Standards of Behaviour and Code of Conduct, and Examination Facilities for Students with Disabilities.

### Supplemental Examinations

Supplemental examinations may be permitted by the OTPRC or PTPRC and are examinations taken as a consequence of a failure or unsatisfactory outcome in a course. The timing of the supplemental examinations for failed Fall term and Winter term courses with the designation of OCC1, PHTH, or POTH will be determined by the course instructor and may be held within 30 days of the posting of final grades, if feasible, or during the official supplemental examination periods. It should be noted that the supplemental exam result will not erase the failed grade originally obtained and used in calculating the GPA. Both the original and supplemental exam marks will be calculated in the GPA and CGPA. For more information, please refer to Rules and Regulations at Occupational Therapy or Physical Therapy, and to Exams, as well as to Failure Policy in Graduate Studies (p. 37).

### Deferred Examinations

Deferred final examinations are examinations rescheduled because the original examination was missed for valid reasons. Deferring an exam is

an exceptional measure and is meant to help students who are severely ill or dealing with unforeseeable, significant extenuating circumstances.

Students, who for serious reasons—such as valid health reason or family or personal crises—have not written one or more examinations, may receive the permission of the Program Director or delegate to defer the examination to the next deferred examination period. The student may be required to provide written documentation or additional information, as appropriate, before the deferral is approved. The Student Affairs Office and the Program Director or a delegate must be informed by the student as soon as possible after the examination of the reason for their absence from the examination, and the supporting documentation must be received no later than one (1) week after the examination date, as applicable. Please refer to details in Rules and Regulations at Occupational Therapy or Physical Therapy, and to Exams as well as to Failure Policy in Graduate Studies (p. 37).

**Note:** No supplemental examinations are available for students who did not receive the required passing grade in a course after writing a deferred examination.

## Rehabilitation Science (Thesis) (M.Sc.) (45 credits)

**Offered by:** Phys and Occ Therapy (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The M.Sc. in Rehabilitation Science; Thesis program focuses on interdisciplinary research related to health and rehabilitation. The program provides training in the use of methodologies for knowledge synthesis and for designing and conducting research studies in rehabilitation. A major component of the program is the development and implementation of an individualized thesis project in a specialized area of interest in health and rehabilitation (e.g., brain, education, global health, musculoskeletal, heart and lung, mental health and pain).

### Thesis Courses (29 credits)

Expand all Contract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| POTH 696 | Thesis Research.   | 2       |
| POTH 697 | Thesis Research 1. | 6       |
| POTH 698 | Thesis Research 2. | 9       |
| POTH 699 | Thesis Research 3. | 12      |

### Required Courses (10 credits)

Expand all Contract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| POTH 609 | Qualitative Research in Rehabilitation Science. | 3       |
| POTH 610 | Research Methodology.                           | 4       |
| POTH 614 | Selected Topics in Rehabilitation Science.      | 3       |
| POTH 617 | Knowledge Synthesis in Rehabilitation Seminar.  | 0       |

## Complementary Courses (3 credits)

3 credits of the following:

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| POTH 628 | Introduction to Regression Analysis. | 3       |

Or 3 credits of advanced qualitative methodology chosen from courses offered by the School at the 500, 600, or 700 level in consultation with the Graduate Program Director.

## Elective Course (3 credits)

3 credits that pertain to the student's area of specialization: to be chosen from the School course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

## Rehabilitation Science (Non-Thesis) (M.Sc.) (45 credits)

**Offered by:** Phys and Occ Therapy (Faculty of Medicine and Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Rehabilitation Science; Non-Thesis program focuses on evidence-based practice in rehabilitation science. The program provides exposure to methodologies for knowledge synthesis and for designing a research study in rehabilitation, and practical experience by participating in a directed project.

## Required Courses (25 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| POTH 610 | Research Methodology.                          | 4       |
| POTH 614 | Selected Topics in Rehabilitation Science.     | 3       |
| POTH 617 | Knowledge Synthesis in Rehabilitation Seminar. | 0       |
| POTH 628 | Introduction to Regression Analysis.           | 3       |
| POTH 661 | Research Project 1.                            | 7       |
| POTH 662 | Research Project 2.                            | 8       |

## Complementary Courses (20 credits)

20 credits of courses that pertain to the student's area of specialization; to be chosen from the School course offerings or other courses at the 500, 600 or 700 level with permission from the Graduate Program Director.

## Physical Therapy (Non-Thesis) (M.Sc.A.P.T.) (61-62 credits)

**Offered by:** Phys and Occ Therapy (Faculty of Medicine and Health Sciences)

**Degree:** Master of Sci Appl, Phys Ther

**Program credit weight:** 61-62

## Program Description

The M.Sc. (Applied) in Physical Therapy; Non-Thesis is to be completed in 1.5 graduate years over five semesters, and includes four clinical practica of 1,050 hours in total, leading to professional licensure to practice. 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. Emphasis is on client-centred and evidence-based practice across the lifespan and health care continuum, including health promotion from prevention of disability to rehabilitation. In addition to fieldwork, the program includes advanced clinical practice, research methodology, and educational methodology. The program may be completed in 61 or 62 credits.

## Required Courses (55 credits)

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| IPEA 502 | Partnership in Interprofessional Teams          | 0       |
| IPEA 503 | Managing Interprofessional Conflict.            | 0       |
| PHTH 571 | PT Clinical Practicum 1.                        | 6       |
| PHTH 572 | PT Clinical Practicum 2.                        | 6       |
| PHTH 573 | PT Clinical Practicum 3.                        | 7       |
| PHTH 606 | Introduction to Pediatric Physical Therapy.     | 3       |
| PHTH 620 | PT Clinical Practicum 4.                        | 7       |
| PHTH 622 | Integrated Pain Management.                     | 3       |
| PHTH 623 | Differential Diagnosis and Management.          | 4       |
| PHTH 652 | Integrated Clinical Exercise Rehabilitation.    | 3       |
| POTH 602 | Advanced Educational and Management Strategies. | 3       |
| POTH 612 | Applied Clinical Research Methods.              | 4       |
| POTH 624 | Master's Project.                               | 7       |
| POTH 682 | Promoting Healthy Activity.                     | 2       |

## Complementary Courses (6 credits)

6 credits from the following:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| PHTH 645 | Pelvic Floor Rehabilitation.  | 3       |
| PHTH 661 | Sport Physiotherapy.          | 3       |
| PHTH 662 | Advanced Manual Therapy.      | 3       |
| POTH 508 | Plasticity in Rehabilitation. | 3       |



|            |                                               |     |
|------------|-----------------------------------------------|-----|
| POTH 604   | Current Topics in Pediatrics.                 | 3   |
| POTH 625D1 | Design of Assistive Technologies: Principles. | 1.5 |
| POTH 625D2 | Design of Assistive Technologies: Principles. | 1.5 |
| POTH 636   | Physical Therapy in Pediatrics.               | 3   |
| POTH 637   | Cancer Rehabilitation.                        | 3   |
| POTH 639   | Motor Control.                                | 3   |
| POTH 685   | Perception and Action.                        | 3   |

<sup>1</sup> If chosen, students must complete both POTH 625D1 Design of Assistive Technologies: Principles. and POTH 625D2 Design of Assistive Technologies: Principles.

## Elective Course (0-1 credit)

0 or 1 credit may be taken at the 500 level or higher upon consultation with the Physical Therapy Program Director.

## Occupational Therapy (Non-Thesis) (M.Sc.A.OT.) (63 credits)

**Offered by:** Phys and Occ Therapy (Faculty of Medicine and Health Sciences)

**Degree:** Master of Sci Appl, Occ Ther

**Program credit weight:** 63

## Program Description

The Master of Science(Applied) in Occupational Therapy; Non-Thesis is a professional program that may lead to eligibility for licensure to practice as an Occupational Therapist. It is a 63-credit degree program that includes 1000 hours of fieldwork education over five semesters. 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. Focus on client-centered and evidence-informed practice, clinical reasoning, ethics and professionalism. The Master's project focuses on research skills and scholarly contribution to health care delivery or clinical education.

## Required Courses (60 credits)

Expand allContract all

| Course     | Title                                  | Credits |
|------------|----------------------------------------|---------|
| IPEA 502   | Partnership in Interprofessional Teams | 0       |
| IPEA 503   | Managing Interprofessional Conflict.   | 0       |
| OCC1 501   | Clinical Practicum 1.                  | 7       |
| OCC1 502   | Clinical Practicum 2.                  | 7       |
| OCC1 503   | Clinical Practicum 3.                  | 8       |
| OCC1 600J1 | Clinical Practicum Seminars.           | 0       |
| OCC1 600J2 | Clinical Practicum Seminars.           | 0       |
| OCC1 600J3 | Clinical Practicum Seminars.           | 0       |
| OCC1 602   | Clinical Practicum 4.                  | 7       |
| OCC1 617   | Occupational Solutions 2.              | 6       |

|          |                                    |   |
|----------|------------------------------------|---|
| OCC1 618 | Applied OT: Psychosocial Theory.   | 5 |
| OCC1 620 | Work/Ergonomics.                   | 3 |
| OCC1 622 | Community-Based OT.                | 3 |
| OCC1 623 | Assistive Technology.              | 3 |
| POTH 612 | Applied Clinical Research Methods. | 4 |
| POTH 624 | Master's Project.                  | 7 |

## 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.

Expand allContract all

| Course     | Title                                         | Credits |
|------------|-----------------------------------------------|---------|
| OCC1 625   | Functional Environments.                      | 3       |
| OCC1 626   | Mental Health: Child and Youth.               | 3       |
| POTH 625D1 | Design of Assistive Technologies: Principles. | 1.5     |
| POTH 625D2 | Design of Assistive Technologies: Principles. | 1.5     |
| POTH 627   | Enabling Eating, Drinking, and Swallowing.    | 3       |
| POTH 632   | Research Elective.                            | 3       |
| POTH 634   | Childhood Performance Issues.                 | 3       |
| POTH 635   | Enabling Upper Extremity Function.            | 3       |
| POTH 636   | Physical Therapy in Pediatrics.               | 3       |
| POTH 637   | Cancer Rehabilitation.                        | 3       |
| POTH 638   | Promoting Wellness of Seniors.                | 3       |
| POTH 640   | Role-Emerging Management.                     | 3       |

<sup>1</sup> If selected, students must take both POTH 625D1 Design of Assistive Technologies: Principles. and POTH 625D2 Design of Assistive Technologies: Principles..

NOTE: Interprofessional Education Activities (IPEAs)

These required non-credit activities address the competencies for interprofessional practice across the health professions such as professional roles, communication, collaboration in patient-centered care, and conflict resolution. Students will be advised at the beginning of each term which activities they should register for.

## Rehabilitation Science (Ph.D.)

**Offered by:** Phys and Occ Therapy (Faculty of Medicine and Health Sciences)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Rehabilitation Science provides training and intensive experience in clinical research related to health and rehabilitation by asking the right questions through research design, analysis, interpretation and presentation of results. The program includes a comprehensive exam, research proposal, thesis and an oral defense.



## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (13 credits)

Expand allContract all

| Course   | Title                                           | Credits |
|----------|-------------------------------------------------|---------|
| POTH 609 | Qualitative Research in Rehabilitation Science. | 3       |
| POTH 610 | Research Methodology.                           | 4       |
| POTH 614 | Selected Topics in Rehabilitation Science.      | 3       |
| POTH 631 | Research Proposal.                              | 3       |
| POTH 701 | Ph.D. Comprehensive.                            | 0       |

## Complementary Course (6 credits)

One of the following courses:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| POTH 620 | Measurement: Rehabilitation 1. | 3       |
| POTH 630 | Measurement: Rehabilitation 2. | 3       |

Or 3 credits of advanced qualitative methodology to be chosen from the School course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

3 credits from the following:

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| POTH 628 | Introduction to Regression Analysis. | 3       |

Or 3 credits of advanced qualitative methodology to be chosen from the School course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

## Elective Courses (3-6 credits)

3-6 credits of School course offerings, at the 500, 600, or 700 level, that pertain to the student's area of specialization, to be chosen in consultation with the Graduate Program Director.

## Driving Rehabilitation (Gr. Cert.) (15 credits)

**Offered by:** Phys and Occ Therapy (Faculty of Medicine and Health Sciences)

**Program credit weight:** 15

## Program Description

The Graduate Certificate in Driving Rehabilitation is a course-based program of 15 credits. The program focuses on the knowledge and skills necessary to offer the full spectrum (screening, evaluation, vehicle adaptation and training) of driving rehabilitation services to diverse client populations. The theoretical content is offered online with synchronous and asynchronous course activities, on a part-time basis, in combination with on-site training to integrate theory into practice. The program can be completed in 18 months to 2 years.

## Required Courses (15 credits)

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| POTH 673 | Screening for at Risk Drivers.  | 3       |
| POTH 674 | Assessing Driving Ability 1.    | 3       |
| POTH 675 | Driving Assessment Practicum.   | 3       |
| POTH 676 | Adaptive Equipment and Driving. | 3       |
| POTH 677 | Retraining Driving Skills.      | 3       |

Note: POTH 673 Screening for at Risk Drivers. and POTH 674 Assessing Driving Ability 1. are offered online, whereas POTH 675 Driving Assessment Practicum., POTH 676 Adaptive Equipment and Driving., and POTH 677 Retraining Driving Skills. have both online components and intensive workshops.

## Chronic Pain Management (Gr. Cert.) (15 credits)

**Offered by:** Phys and Occ Therapy (Faculty of Medicine and Health Sciences)

**Program credit weight:** 15

## Program Description

The Graduate Certificate in Chronic Pain Management is an interdisciplinary course-based program of 15 credits. The program focuses on a theoretical knowledge base in the most recent evidence-based neuroscientific and behavioural perspectives of chronic pain, advanced practice skills in the evaluation and assessment of chronic pain conditions and how to manage clinical chronic pain conditions with an interdisciplinary perspective and the biopsychosocial approach. The program is offered online with synchronous and asynchronous course activities, on a part-time basis, and can be completed within 2.5 years.

## Required Courses (12 credits)

Expand allContract all

| Course   | Title                                              | Credits |
|----------|----------------------------------------------------|---------|
| POTH 663 | Pain Assessment in Clinical Practice.              | 3       |
| POTH 664 | Neuroscience and Behavioural Perspectives of Pain. | 3       |
| POTH 665 | Interdisciplinary Management of Chronic Pain.      | 3       |
| POTH 666 | Common Clinical Pain Syndromes.                    | 3       |

## Complementary Courses (3 credits)

One of:

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| POTH 603 | Directed Practicum.       | 3       |
| POTH 618 | Topics in Rehabilitation. | 3       |

or another 500-level or higher course (online or not) from a different university, as approved by the Graduate Certificate Program Chair.

NOTE: POTH 603 Directed Practicum. and POTH 618 Topics in Rehabilitation. are not online courses. They are directed tutorial courses that need pre-approval from the Graduate Certificate Program Chair. Students are encouraged to plan such courses with the instructor at least one semester before intended enrolment. For a complementary course at a different university, consult university regulation and resources for further information on transfer credits prior to enrolment.

# Science

For people who like to ask questions, science leads to answers. What makes Science at McGill special is the potent combination of internationally renowned professor-researchers and bright and accomplished students. McGill Science professors work closely with all levels of students, including undergraduates, to advance the frontiers of knowledge. We give you the opportunity to participate in your professors' work, not just learn about it.

Science at McGill addresses areas from cognitive science to galactic cosmology, and everything in between. Fifteen departments, large and small, offer programs leading to the Bachelor of Science degree. Working at redefining our understanding of the universe, they share a commitment to combining theory and practice, giving you plenty of opportunities for fieldwork, research-based projects, internships, and cross-disciplinary studies. We make sure you get the best education possible at the undergraduate level. In the field and in the lab, McGill students break new ground. We are eager to share this adventure of learning through discovery with you.

## Departments and School

- Atmospheric and Oceanic Sciences (p. 478)
- Biology (p. 482)
- Chemistry (p. 486)
- Computer Science (p. 489)
- Earth and Planetary Sciences (p. 494)
- Geography (p. 497)
- Mathematics and Statistics (p. 502)
- Physics (p. 505)
- Psychology (p. 509)
- Redpath Museum (p. 514)

## Atmospheric and Oceanic Sciences

### 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;
- sea ice dynamics;

- synoptic and mesoscale meteorology; and
- remote sensing of weather and climate.

Some faculty members have close ties with other departments, schools, and centres, including the Chemistry, and the Mathematics and Statistics departments; the Bieler School of Environment; ArcticNet; and Quebec Ocean. Facilities include the McGill Atmospheric Profiling 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 high-performance computing clusters available through the Digital Research Alliance of 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 is available for all qualified graduate students. Additional financial support is provided in the form of teaching assistantships, subject to availability and eligibility constraints.

## Admission Requirements and Application Procedures

### Admission Requirements

Applicants to 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, oceanic science, physics, mathematics, engineering, chemistry, or a similar field.

Applicants to the Ph.D. program would normally have a strong background in meteorology, physical oceanography, or related disciplines such as mathematics, physics, chemistry, and engineering. Many students will have an M.Sc. degree in one of these fields, although this is not a formal requirement. All Ph.D. students are required to take at least two graduate-level courses in atmospheric and oceanic sciences. Students entering without a master's degree or without a sufficient background in atmospheric and/or oceanic sciences are admitted at the Ph.D. 1 level and are required to take an additional five graduate-level courses in atmospheric and oceanic sciences, these usually being completed in the first two semesters.

Applicants to the Environment Option of our Ph.D. program (currently not offered in the 2025-2026 academic year) would normally apply for admission to both Atmospheric and Oceanic Sciences and the Bieler School of Environment and must meet the entrance requirements of both programs (refer to the Bieler School of Environment site for more information). Acceptability into the Environment option will be based on academic experience and performance, availability of a supervisor or co-supervisor, the proposed research, and plans for funding as articulated by the supervisor(s). This option is not available to students entering at the PhD 1 level but can be chosen in subsequent years.

Inquiries should be addressed directly to the Student Affairs Coordinator ([graduateinfo.aos@mcgill.ca](mailto:graduateinfo.aos@mcgill.ca)) of the Department of Atmospheric and Oceanic Sciences; see the department website for more information.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of

instruction, documented proof of English proficiency is required prior to admission.

## Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The item below is an additional requirement set by this department:

- Acceptance by a research supervisor – required for the Ph.D. program

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Atmospheric and Oceanic Sciences. Applicants are responsible for verifying all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Please note that application deadlines may exceptionally be revised during the application cycle. For current deadline information, please visit the above-mentioned departmental website.

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** Applications for Summer term admission will not be considered.

## Available Programs

- Atmospheric and Oceanic Sciences (Ph.D.) (p. 480)
- Atmospheric and Oceanic Sciences (Thesis) (M.Sc.) (45 credits) (p. 479)
- Atmospheric and Oceanic Sciences: Environment (Ph.D.) (p. 480)

## Program Overview

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, this background is not necessary to succeed in the program.

McGill offers the only program in Canada that includes both atmospheric and oceanic sciences. Students benefit from a high professor-to-student ratio and access to state-of-the-art computing, remote sensing, and atmospheric chemistry laboratory equipment. The Department also has close ties with Environment and Climate Change Canada's numerical weather prediction centre in Dorval, Quebec.

Our program 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 and Climate Change Canada as research associates or weather forecasters.

The **Ph.D. in Atmospheric and Oceanic Sciences: Environment** (\*\*This program is currently not offered\*\*) is a research program offered in collaboration with the Bieler School of Environment (p. 319). As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues. The Environment option builds on the same program and a similar undergraduate background as described under Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences. In addition, the Environment option includes required courses from Atmospheric and Oceanic Sciences and from Environment, as well as complementary courses in Atmospheric and Oceanic Sciences and in Environment.

Prospective Environment Option students must apply for admission to both Atmospheric and Oceanic Sciences and the School of Environment and must meet the entrance requirements of both. Acceptability into the Environment option will be based on academic experience and performance, availability of a supervisor or co-supervisor, the proposed research, and plans for funding as articulated by the supervisor(s). This option is not available to students entering at the Ph.D. 1 level, but can be chosen in subsequent years.

## Location

Burnside Hall  
805 Sherbrooke St. W., Room 305  
Montréal, QC H3A 0B9

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Website: [mcgill.ca/meteo](http://mcgill.ca/meteo)

## Atmospheric and Oceanic Sciences (Thesis) (M.Sc.) (45 credits)

**Offered by:** Atmospheric & Oceanic Sciences (Faculty of Science)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The Master of Science (M.Sc.) in Atmospheric and Oceanic Sciences is a comprehensive, research-driven program, focusing on topics related to climate dynamics, atmospheric chemistry, physical oceanography, weather forecasting, climate change impacts, air-sea interactions, and polar sciences. This program offers training on effective data collection, research methods, and the effective communication of scientific ideas. The program can be completed in the standard two years.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                                        | Credits |
|----------|----------------------------------------------|---------|
| ATOC 691 | Master's Thesis Literature Review.           | 3       |
| ATOC 692 | Master's Thesis Research 1.                  | 6       |
| ATOC 694 | Master's Thesis Progress Report and Seminar. | 3       |
| ATOC 699 | Master's Thesis.                             | 12      |

Although registration is not required, students registered in M.Sc. programs are expected to regularly attend one of the student seminar series (ATOC 751 or ATOC 752 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:

| Expand allContract all |                                                   |         |
|------------------------|---------------------------------------------------|---------|
| Course                 | Title                                             | Credits |
| ATOC 512               | Atmospheric and Oceanic Dynamics.                 | 3       |
| ATOC 513               | Waves and Stability.                              | 3       |
| ATOC 515               | Turbulence in Atmosphere and Oceans.              | 3       |
| ATOC 519               | Advances in Chemistry of Atmosphere. <sup>1</sup> | 3       |
| ATOC 521               | Cloud Physics.                                    | 3       |
| ATOC 525               | Atmospheric Radiation.                            | 3       |
| ATOC 531               | Dynamics of Current Climates.                     | 3       |
| ATOC 540               | Synoptic Meteorology 1.                           | 3       |
| ATOC 541               | Synoptic Meteorology 2.                           | 3       |
| ATOC 548               | Mesoscale Meteorology.                            | 3       |
| ATOC 568               | Ocean Physics.                                    | 3       |
| ATOC 626               | Atmospheric/Oceanic Remote Sensing. <sup>1</sup>  | 3       |
| CHEM 519               | Advances in Chemistry of Atmosphere.              | 3       |

<sup>1</sup> Students may select either ATOC 519 Advances in Chemistry of Atmosphere. or CHEM 519 Advances in Chemistry of Atmosphere..

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.

## Atmospheric and Oceanic Sciences (Ph.D.)

**Offered by:** Atmospheric & Oceanic Sciences (Faculty of Science)  
**Degree:** Doctor of Philosophy

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research

presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (4 credits)

| Expand allContract all |                                    |         |
|------------------------|------------------------------------|---------|
| Course                 | Title                              | Credits |
| ATOC 700               | Ph.D. Proposal Seminar.            | 1       |
| ATOC 701               | Doctoral Comprehensive Examination | 0       |

## Complementary Courses (7 credits)

Students are required to take ATOC 751 OR ATOC 752.

1 credit from:

| Expand all |                                            | Contract all |
|------------|--------------------------------------------|--------------|
| Course     | Title                                      | Credits      |
| ATOC 751   | Seminar: Atmosphere and Ocean              | 1            |
| ATOC 752   | Atmospheric, Oceanic and Climate Dynamics. | 1            |

6 credits from the Department of Atmospheric and Oceanic Sciences, at the 500 or 600 level, as approved by the department Graduate Program Director.

## Atmospheric and Oceanic Sciences: Environment (Ph.D.)

**Offered by:** Atmospheric & Oceanic Sciences (Faculty of Science)  
**Degree:** Doctor of Philosophy

### Program Description

**\*\*This program is currently not offered.\*\***

The Ph.D. in Atmospheric and Oceanic Sciences; Environment is a research program operated in collaboration with the School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (4 credits)

Expand allContract all



| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ATOC 700 | Ph.D. Proposal Seminar.                                    | 1       |
| ATOC 701 | Doctoral Comprehensive Examination                         | 0       |
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |

## Complementary Courses (13 credits)

Students are required to take ATOC 751 OR ATOC 752.

1 credit from:

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| ATOC 751 | Seminar: Atmosphere and Ocean              | 1       |
| ATOC 752 | Atmospheric, Oceanic and Climate Dynamics. | 1       |

6 credits from the Department of Atmospheric and Oceanic Sciences, at the 500 level or higher, as approved by the department Graduate Program Director.

3-6 credits from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

# Biology

## About Biology

The M.Sc. and Ph.D. graduate training programs in the Department of Biology are focused on excellence in research across all scales of the biological world, from molecules to cells, from cells to organisms, and from organisms to ecosystems. Our research is highly interdisciplinary, and so are our trainees and faculty members. Our programs offer graduate trainees the opportunity to do cutting-edge research and develop their professional skills, including writing and communication, which are essential for careers inside and outside of academia. McGill Biology graduate students enjoy a rigorous training program with the goal of becoming successful research scientists. A graduate degree in Biology prepares students for a wide range of careers. Alumni have gone on to pursue careers in academia and beyond, including researchers in industry, and work as wildlife biologists, forensic technologists, and science policy advisors, to name a few.

Graduate students choose a project in one of the department's three main research focus areas:

- Conservation, Ecology, Evolution and Behaviour
- Molecular, Cellular and Developmental Biology
- Neurobiology and Behaviour

In addition to the regular M.Sc. and Ph.D. programs, the Biology Department offers a specialized program option in Neotropical Environment (NEO) (see below).

Both the M.Sc. and Ph.D. are research-intensive degrees, and the emphasis in both programs is on developing the intellectual and technical skills necessary for independent research. The main component of both degrees is a thesis presenting the results of this work in the form of a student's original contribution to scientific knowledge. Formal coursework includes a two-course sequence on research and professional skills, and one to two topical courses, usually in the form of literature-based seminars. To complement their classroom and research training, students regularly attend seminar series and journal clubs, and present their own work annually in a formal seminar.

The Department of Biology is embedded in an outstanding and collaborative research environment with access to state-of-the-art infrastructure in the Stewart Biology Building and the Bellini Life Science Complex, as well as excellent field facilities in Canada and abroad. Affiliated centres and field stations include:

- McGill University Phytotron
- Redpath Museum
- Integrated Quantitative Biology Initiative (IQBI)
- Advanced BioImaging Facility (ABIF)
- Gault Nature Reserve at Mont St. Hilaire (Quebec)
- Penfield Nature Conservancy on Lake Memphrémagog (Quebec)
- McGill Sub-Arctic Research Station at Schefferville (Quebec)
- Bellairs Research Institute (Barbados)
- Smithsonian Tropical Research Institute (STRI) (Panama)

The Department of Biology offers financial support to both Canadian and international students. Funding packages include a stipend to offset living expenses and a tuition and fees subsidy. For more

information on graduate student funding in Biology, please visit the Department's Graduate Funding page.

## Biology Admission Requirements and Application Procedures

### Admission Requirements

Admission is based on evaluation by the Graduate Training Committee and acceptance by a faculty member within the department who agrees to supervise and fund the applicant. Before applying to Graduate Studies in Biology, students should contact faculty members with whom they wish to study to see if they are accepting new students (see Faculty Member Profiles).

Prospective Biology graduate students will have a strong background in the biological sciences, often with specific strengths in their proposed area of study. To encourage interdisciplinary work, the program may also accept students with high Academic Standing in fields other than biology (medicine, engineering, chemistry, physics, etc.).

The minimum cumulative grade point average (CGPA) is 3.0/4.0, or a grade point average (GPA) of 3.2/4.0 in the last two years of full-time studies. B.Sc. students who wish to apply directly to Ph.D.1 must have a minimum CGPA of 3.5/4.

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 86 on the TOEFL Internet-based test (iBT) with each component score not less than 20, or 6.5 on IELTS is the minimum standard for admission.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply). All applicants should consult the How to Apply page of the Biology Department's website before completing the application form for departmental information on the application process, required documents, summaries of faculty research areas, and contact information.

See the Application Procedures (p. 53) for detailed information.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Biology Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit. All inquiries pertaining to admission procedures should be directed to the Graduate Admissions Coordinator, Ancil Gittens ([ancil.gittens@mcgill.ca](mailto:ancil.gittens@mcgill.ca)).

**Note:** Applications for Summer term admission will not be considered.

## Available Programs

- Biology (Ph.D.) (p. 484)
- Biology (Thesis) (M.Sc.) (45 credits) (p. 483)
- Biology (Thesis): Environment (M.Sc.) (45 credits) (p. 483)
- Biology (Thesis): Neotropical Environment (M.Sc.) (45 credits) (p. 484)
- Biology: Environment (Ph.D.) (p. 485)
- Biology: Neotropical Environment (Ph.D.) (p. 485)

## Location

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Stewart Biological Sciences Building  
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Telephone: 514-398-5478  
Fax: 514-398-5069  
Email: ancil.gittens@mcgill.ca  
Website: mcgill.ca/biology

## Biology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Biology (Faculty of Science)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The Master of Science in Biology is a research-focused program that encompasses a diverse range of topics in biology, from molecules and cells to organisms and ecosystems, including development, behaviour and evolution. Research themes include:

1. molecular, cellular and developmental biology,
2. conservation, ecology and evolution, and
3. neurobiology and behaviour.

This program allows students considerable flexibility in their choice of research and coursework and encourages cross-disciplinary thinking.

## Required Courses (39 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| BIOL 697 | Master's Thesis Research 1. | 13      |
| BIOL 698 | Master's Thesis Research 2. | 13      |
| BIOL 699 | Master's Thesis Research 3. | 13      |

## Complementary Courses (6 credits)

3 credits from the following [choose BIOL 601 Introduction to Graduate Studies in Biology. and either BIOL 602 Molecular Biology Research and Professional Skills. or BIOL 603 Organismal Biology Research and Professional Skills.]:

Expand allContract all

| Course   | Title                                                | Credits |
|----------|------------------------------------------------------|---------|
| BIOL 601 | Introduction to Graduate Studies in Biology.         | 1.5     |
| BIOL 602 | Molecular Biology Research and Professional Skills.  | 1.5     |
| BIOL 603 | Organismal Biology Research and Professional Skills. | 1.5     |

\*Or 3 credits at the 500 level or higher with the approval of the Graduate Program Director.

3 credits at the 500, 600, or 700 level in Biology or other departments, and approved by the Supervisory Committee.

## Biology (Thesis): Environment (M.Sc.) (45 credits)

**Offered by:** Biology (Faculty of Science)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

\*\*This program is currently not offered.\*\*

The M.Sc. in Biology; Environment option is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

## Thesis Courses (36 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| BIOL 690 | Master's Thesis Research 4. | 10      |
| BIOL 697 | Master's Thesis Research 1. | 13      |
| BIOL 698 | Master's Thesis Research 2. | 13      |

## Required Courses (3 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |

## Complementary Courses (6 credits)

3-6 credits, one of the following courses:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits chosen from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Biology (Thesis): Neotropical Environment (M.Sc.) (45 credits)

**Offered by:** Biology (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Masters students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University. 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.

Whether applying to a Master or a PhD, students are expected to meet all the degree requirements of the department in which they are registered. In addition, NEO students will have to meet the specific requirements of the option.

### Thesis Courses (36 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| BIOL 690 | Master's Thesis Research 4. | 10      |
| BIOL 697 | Master's Thesis Research 1. | 13      |
| BIOL 698 | Master's Thesis Research 2. | 13      |

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |

### 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.

## Biology (Ph.D.)

**Offered by:** Biology (Faculty of Science)

**Degree:** Doctor of Philosophy

### Program Description

The Doctor of Philosophy in Biology is a research-focused program that encompasses a diverse range of topics in biology, from molecules and cells to organisms and ecosystems, including development, behaviour and evolution. Research themes include:

1. molecular, cellular and developmental biology,
2. conservation, ecology and evolution, and
3. neurobiology and behaviour.

This program allows students considerable flexibility in their choice of research and coursework and encourages cross-disciplinary thinking.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (6 credits)

Expand allContract all

| Course   | Title                            | Credits |
|----------|----------------------------------|---------|
| BIOL 700 | Doctoral Qualifying Examination. | 0       |
| BIOL 702 | Ph.D. Seminar.                   | 6       |

### Complementary Courses (9 credits)

3 credits from the following [choose BIOL 601 Introduction to Graduate Studies in Biology, and either BIOL 602 Molecular Biology Research and Professional Skills, or BIOL 603 Organismal Biology Research and Professional Skills.]:

Expand allContract all

| Course   | Title                                                | Credits |
|----------|------------------------------------------------------|---------|
| BIOL 601 | Introduction to Graduate Studies in Biology.         | 1.5     |
| BIOL 602 | Molecular Biology Research and Professional Skills.  | 1.5     |
| BIOL 603 | Organismal Biology Research and Professional Skills. | 1.5     |

\*Or 3 credits at the 500 level or higher with the approval of the Graduate Program Director.

6 credits at the 500, 600, or 700 level in Biology or other departments, and approved by the Supervisory Committee

## Biology: Environment (Ph.D.)

**Offered by:** Biology (Faculty of Science)

**Degree:** Doctor of Philosophy

### Program Description

**\*\*This program is currently not offered.\*\***

The Ph.D. in Biology- Environment Option is a research program offered with the Bieler School of Environment and other academic units at McGill. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (9 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| BIOL 700 | Doctoral Qualifying Examination.                           | 0       |
| BIOL 702 | Ph.D. Seminar.                                             | 6       |
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |

### Complementary Courses (6 credits)

3-6 credits chosen from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits chosen from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Biology: Neotropical Environment (Ph.D.)

**Offered by:** Biology (Faculty of Science)

**Degree:** Doctor of Philosophy

### Program Description

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses (12 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| BIOL 700 | Doctoral Qualifying Examination.     | 0       |
| BIOL 702 | Ph.D. Seminar.                       | 6       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |

### 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.



# Chemistry

## 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.

### Analytical/Environmental

The Analytical/Environmental Thematic Research Group at McGill is involved in 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; thermochemical, box, and cloud modelling; and state-of-the-art atmospheric kinetics and photochemistry; 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 Research Group is engaged in a diverse range of research topics, which span structural biology, enzymology, nucleic acid research, signaling pathways, single-molecule biophysics, and biophysical chemistry of living tissues. Among the themes that unite the research being performed in this group is the attempt 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; 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 Research 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 Thematic Research 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 links to the Quebec Centre for Advanced Materials, the Centre for Biorecognition and Biosensors, 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.

### Green and Sustainable Chemistry

Green Chemistry is a concept developed in the 1990s by pioneers Paul Anastas and John Warner. It proposes a vision for chemistry in which its products and processes are designed so as to not harm our health or our environment. The sister concept of sustainable chemistry was developed in parallel, with the idea to add the notion of ensuring the renewability of resources. Green and Sustainable Chemistry is now a strategic, key area of research development, with its own vibrant community, dedicated journals and international research centres. It is also identified as a key strategic area for McGill University, as the Department of Chemistry has pioneered the teaching of the topic since 1999. Topically Green and Sustainable Chemistry covers research using tools in organic, inorganic, physical, and biological chemistries with the goal to develop concepts and solutions to grand challenges in sustainability. This field is directly harnessing the powers of chemistry as a toolbox to enable the Sustainable Development Goals, set by the United Nations in 2015.

### Synthesis/Catalysis

The Synthesis/Catalysis Research Activity Group is a collective that develops state-of-art catalysts, synthetic methodologies, reaction mechanisms, and synthetic routes for organic chemicals, natural products, and materials. The collective's major research activities at McGill include:

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 CO<sub>2</sub>; 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.

## Chemistry Admission Requirements and Application Procedures

### Admission Requirements

The minimum academic standard for admission to the M.Sc. and Ph.D degree programs is normally a high Second-Class Standing (CGPA > 3.00). Students applying from B.Sc. to Ph.D (without completing a M.Sc.) must have a CGPA of at least 3.5. Applicants from other institutions should have an academic background equivalent to that of a McGill graduate in the Chemistry Honours/Major programs or related fields such as Physics or Biochemistry.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Chemistry and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

**Note:** Applications for Summer term admission will not be considered.

All inquiries concerning graduate work in the Department should be addressed to the Director of Graduate Studies, Department of Chemistry.

## Available Programs

- Chemistry (Ph.D.) (p. 487)
- Chemistry (Thesis) (M.Sc.) (45 credits) (p. 487)

## Location

Department of Chemistry  
Otto Maass Chemistry Building  
801 Sherbrooke St. W.  
Montréal, QC H3A 0B8

Telephone: 514-398-6999

Fax: 514-398-3797

Email: [graduate.chemistry@mcgill.ca](mailto:graduate.chemistry@mcgill.ca)

Website: [mcgill.ca/chemistry](http://mcgill.ca/chemistry)

## Chemistry (Thesis) (M.Sc.) (45 credits)

**Offered by:** Chemistry (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Thesis Courses (24-31 credits)

At least 24 credits chosen from the following:

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| CHEM 691 | M.Sc. Thesis Research 1. | 3       |
| CHEM 692 | M.Sc. Thesis Research 2. | 6       |
| CHEM 693 | M.Sc. Thesis Research 3. | 9       |
| CHEM 694 | M.Sc. Thesis Research 4. | 12      |
| CHEM 695 | M.Sc. Thesis Research 5. | 15      |

## Required Courses (5 credits)

| Course   | Title                    | Credits |
|----------|--------------------------|---------|
| CHEM 650 | Seminars in Chemistry 1. | 1       |
| CHEM 651 | Seminars in Chemistry 2. | 1       |
| CHEM 688 | Progress Assessment 1.   | 3       |

## Complementary Courses (9-16 credits)

Students will normally take 9-16 credits of CHEM (or approved) courses at the 500 or 600 level.

## Chemistry (Ph.D.)

**Offered by:** Chemistry (Faculty of Science)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms

for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| CHEM 650 | Seminars in Chemistry 1.   | 1       |
| CHEM 651 | Seminars in Chemistry 2.   | 1       |
| CHEM 688 | Progress Assessment 1.     | 3       |
| CHEM 701 | Comprehensive Examination. | 0       |
| CHEM 702 | Progress Assessment 2 .    | 0       |

## 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.

# Computer Science

## About Computer Science

The School of Computer Science is one of the leading teaching and research centres for computer science in Canada and offers several graduate programs. The Master of Science (M.Sc.) Thesis and Doctor of Philosophy (Ph.D.) are research-centric programs preparing students for research careers in academia or industry. They both offer an option in bioinformatics. The Master of Science (M.Sc.) Non-Thesis program is targeted at students looking for careers in applied research and development in industry. In all programs, students will be exposed to cutting-edge computer science developments. 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, storage systems, database systems, embedded and real-time systems, systems for data science, networks, software engineering, and model engineering;
- **Applications:** bioinformatics, many areas of artificial intelligence and machine learning, bioinformatics, robotics, computer animation, graphics, vision, and human factors in computing.

More information can be found on the School's website.

## Program Overview

The **Master of Science (M.Sc.) Computer Science (Thesis)** is designed for students with a strong interest in research in computer science who hold at least the equivalent of an 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.

The **Master of Science (M.Sc.) Computer Science (Non-Thesis)** is 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.

The **Doctor of Philosophy (Ph.D.) Computer Science** 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, applicants should normally 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.

The Department also offers the **Master of Science (M.Sc.) Computer Science (Thesis): 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. Those wishing to take their studies of Bioinformatics further can apply to McGill's **Doctor of Philosophy (Ph.D.) Computer Science: Bioinformatics**.

## Computer Science Admission Requirements and Application Procedures

### Admission Requirements

#### M.Sc.

The minimum requirement for admission is a bachelor's degree (cumulative grade point average (CGPA) of 3.2/4.0 or better, or equivalent) with the coursework in Computer Science and Mathematics as listed on our School's website. The website supplements the information in this publication, and should be consulted by all graduate students.

#### Ph.D.

In order to apply to the Ph.D. program, 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.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed information.

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Curriculum Vitae – required for both M.Sc. and Ph.D. programs
- Statement of Purpose – required for both M.Sc. and Ph.D. programs
- Graduate Record Examination (GRE General Test) – optional for all programs

For further details about each required document, consult the School of Computer Science's website.

### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Computer Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

For further details on our admission requirements, please visit our website at [cs.mcgill.ca/graduate/future/overview/](http://cs.mcgill.ca/graduate/future/overview/).

**Scholarship Deadlines:** **December 15** for applicants who wish to be considered for scholarship awards; otherwise, December 15 for International and February 15 for Canadian students for admission to the Fall term.

## Available Programs

- Computer Science (Non-Thesis) (M.Sc.) (45 credits) (p. 491)
- Computer Science (Ph.D.) (p. 492)
- Computer Science (Thesis) (M.Sc.) (45 credits) (p. 490)
- Computer Science (Thesis): Bioinformatics (M.Sc.) (45 credits) (p. 491)
- Computer Science: Bioinformatics (Ph.D.) (p. 493)

## Location

School of Computer Science  
McConnell Engineering, Room 318  
3480 University St.  
Montréal, QC H3A 0E9

Telephone: 514-399-9482  
Email: [grad.cs@mcgill.ca](mailto:grad.cs@mcgill.ca)  
Website: [cs.mcgill.ca](http://cs.mcgill.ca)

## Computer Science (Thesis) (M.Sc.) (45 credits)

**Offered by:** Computer Science (Faculty of Science)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The M.Sc. in Computer Science; Thesis program explores advanced topics in computer science and offers training in performing cutting-edge research.

## Thesis Courses (29 credits)

29 credits selected from:

| Expand allContract all |                    |         |
|------------------------|--------------------|---------|
| Course                 | Title              | Credits |
| COMP 691               | Thesis Research 1. | 3       |
| COMP 696               | Thesis Research 2. | 3       |
| COMP 697               | Thesis Research 3. | 4       |
| COMP 698               | Thesis Research 4. | 10      |
| COMP 699               | Thesis Research 5. | 12      |

## Required Courses (2 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| COMP 602 | Computer Science Seminar 1. | 1       |
| COMP 603 | Computer Science Seminar 2. | 1       |

## Complementary Courses (14 credits)

14 credits of COMP (or approved) courses at the 500-, 600-, or 700-level, with at least 3-4 credits from two of the following three categories of courses.

### Category A: Theory

Expand allContract all

| Course   | Title                                    | Credits |
|----------|------------------------------------------|---------|
| COMP 523 | Language-based Security.                 | 3       |
| COMP 525 | Formal Verification.                     | 3       |
| COMP 527 | Logic and Computation.                   | 3       |
| COMP 531 | Advanced Theory of Computation.          | 3       |
| COMP 532 | Propositional Proof Complexity.          | 4       |
| COMP 540 | Matrix Computations.                     | 4       |
| COMP 547 | Cryptography and Data Security.          | 4       |
| COMP 552 | Combinatorial Optimization.              | 4       |
| COMP 553 | Algorithmic Game Theory.                 | 4       |
| COMP 554 | Approximation Algorithms.                | 4       |
| COMP 562 | Theory of Machine Learning.              | 4       |
| COMP 567 | Discrete Optimization 2.                 | 3       |
| COMP 594 | Topics in CS: Theory 1                   | 4       |
| COMP 595 | Topics in CS: Theory 2                   | 4       |
| COMP 610 | Information Structures 1.                | 4       |
| COMP 611 | Mathematical Tools for Computer Science. | 4       |
| COMP 642 | Numerical Estimation Methods.            | 4       |
| COMP 647 | Advanced Cryptography.                   | 4       |
| COMP 649 | Quantum Cryptography.                    | 4       |
| COMP 690 | Probabilistic Analysis of Algorithms.    | 4       |
| COMP 760 | Advanced Topics Theory 1.                | 4       |
| COMP 761 | Advanced Topics Theory 2.                | 4       |

### Category B: Systems and Programming

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| COMP 512 | Distributed Systems.                    | 4       |
| COMP 513 | Advanced Computer Systems.              | 4       |
| COMP 520 | Compiler Design.                        | 4       |
| COMP 529 | Software Architecture.                  | 4       |
| COMP 533 | Model-Driven Software Development.      | 3       |
| COMP 535 | Computer Networks 1.                    | 4       |
| COMP 555 | Information Privacy.                    | 4       |
| COMP 596 | Topics in CS: Systems and Programming 1 | 4       |
| COMP 597 | Topics in CS: Systems and Programming 2 | 4       |



|          |                                       |   |
|----------|---------------------------------------|---|
| COMP 614 | Distributed Data Management.          | 4 |
| COMP 621 | Program Analysis and Transformations. | 4 |
| COMP 762 | Advanced Topics Programming 1.        | 4 |
| COMP 763 | Advanced Topics Programming 2.        | 4 |
| COMP 764 | Advanced Topics Systems 1.            | 4 |
| COMP 765 | Advanced Topics Systems 2.            | 4 |

## Category C: Applications

Expand allContract all

| Course   | Title                                                | Credits |
|----------|------------------------------------------------------|---------|
| COMP 511 | Network Science.                                     | 4       |
| COMP 514 | Applied Robotics.                                    | 4       |
| COMP 521 | Modern Computer Games.                               | 4       |
| COMP 545 | Natural Language Understanding with Deep Learning .  | 4       |
| COMP 546 | Computational Perception.                            | 4       |
| COMP 549 | Brain-Inspired Artificial Intelligence.              | 3       |
| COMP 550 | Natural Language Processing.                         | 3       |
| COMP 551 | Applied Machine Learning.                            | 4       |
| COMP 557 | Fundamentals of Computer Graphics.                   | 4       |
| COMP 558 | Fundamentals of Computer Vision.                     | 4       |
| COMP 559 | Fundamentals of Computer Animation.                  | 4       |
| COMP 561 | Computational Biology Methods and Research.          | 4       |
| COMP 564 | Advanced Computational Biology Methods and Research. | 3       |
| COMP 565 | Machine Learning in Genomics and Healthcare.         | 4       |
| COMP 579 | Reinforcement Learning.                              | 4       |
| COMP 585 | Intelligent Software Systems .                       | 4       |
| COMP 588 | Probabilistic Graphical Models.                      | 4       |
| COMP 598 | Topics in CS: Applications 1                         | 4       |
| COMP 599 | Topics in CS: Applications 2                         | 4       |
| COMP 654 | Graph Representation Learning.                       | 4       |
| COMP 680 | Mining Biological Sequences.                         | 4       |
| COMP 685 | Machine Learning Applied to Climate Change.          | 4       |
| COMP 766 | Advanced Topics Applications 1.                      | 4       |
| COMP 767 | Advanced Topics: Applications 2.                     | 4       |

## Computer Science (Thesis): Bioinformatics (M.Sc.) (45 credits)

**Offered by:** Computer Science (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The Master of Science (M.Sc.) in Computer Science; Bioinformatics provides training in this interdisciplinary field, which lies at the intersection of biological/medical sciences and mathematics/

computer science/engineering. The program 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, artificial intelligence, and statistics. The thesis must focus on bioinformatics in relation to computer science.

## Thesis Courses (24 credits)

22 credits selected from:

Expand allContract all

| Course   | Title              | Credits |
|----------|--------------------|---------|
| COMP 691 | Thesis Research 1. | 3       |
| COMP 696 | Thesis Research 2. | 3       |
| COMP 697 | Thesis Research 3. | 4       |
| COMP 698 | Thesis Research 4. | 10      |
| COMP 699 | Thesis Research 5. | 12      |

## Required Courses (3 credits)

Expand allContract all

| Course     | Title                   | Credits |
|------------|-------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar. | 1.5     |
| COMP 616D2 | Bioinformatics Seminar. | 1.5     |

## Required Course

Expand allContract all

| Course   | Title                     | Credits |
|----------|---------------------------|---------|
| COMP 601 | Thesis Literature Review. | 2       |

## Complementary Courses (18 credits)

6 credits chosen from the following courses:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

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 Thesis Research 3..

## Computer Science (Non-Thesis) (M.Sc.) (45 credits)

**Offered by:** Computer Science (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Computer Science; Non-Thesis offers an in depth study of advanced topics in computer science, mainly through course-based work. The program includes the possibility to complete a short research project or to conduct an internship for practical experience.

## Required Courses (2 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| COMP 602 | Computer Science Seminar 1. | 1       |
| COMP 603 | Computer Science Seminar 2. | 1       |

## Complementary Courses (43 credits)

Choose either: project courses and course work; or internship and course work; or all course work.

### Research Project

0-15 credits from:

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| COMP 693 | Research Project 1. | 3       |
| COMP 694 | Research Project 2. | 6       |
| COMP 695 | Research Project 3. | 6       |

### Internship

0-15 credits from:

Expand allContract all

| Course   | Title                           | Credits |
|----------|---------------------------------|---------|
| COMP 689 | Internship in Computer Science. | 15      |

### Course Work

28-43 credits of lecture- or seminar-based COMP courses at the 500 level or higher.

The following courses outside of the School of Computer Science may count towards the complementary courses, subject to approval by an academic adviser.

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ECSE 507 | Optimization and Optimal Control.       | 3       |
| ECSE 508 | Multi-Agent Systems.                    | 3       |
| ECSE 516 | Nonlinear and Hybrid Control Systems.   | 3       |
| ECSE 518 | Telecommunication Network Analysis.     | 3       |
| ECSE 523 | Speech Communications.                  | 3       |
| ECSE 526 | Artificial Intelligence.                | 3       |
| ECSE 539 | Advanced Software Language Engineering. | 4       |
| ECSE 542 | Human Computer Interaction.             | 4       |
| ECSE 546 | Advanced Image Synthesis.               | 4       |
| ECSE 551 | Machine Learning for Engineers.         | 4       |
| ECSE 552 | Deep Learning.                          | 4       |

|          |                                      |   |
|----------|--------------------------------------|---|
| ECSE 556 | Machine Learning in Network Biology. | 4 |
| ECSE 570 | Automatic Speech Recognition.        | 3 |
| ECSE 626 | Statistical Computer Vision.         | 4 |
| MATH 523 | Generalized Linear Models.           | 4 |
| MATH 524 | Nonparametric Statistics.            | 4 |
| MATH 533 | Regression and Analysis of Variance. | 4 |
| MATH 559 | Bayesian Theory and Methods.         | 4 |
| MATH 563 | Honours Convex Optimization .        | 4 |
| MATH 578 | Numerical Analysis 1.                | 4 |
| MATH 680 | Computation Intensive Statistics.    | 4 |
| MECH 513 | Control Systems.                     | 3 |

## Computer Science (Ph.D.)

**Offered by:** Computer Science (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Computer Science offers training in advanced research in a wide range of areas relevant to computer science under close supervision of research faculty.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (4 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| COMP 604 | Graduate School Fundamentals .        | 1       |
| COMP 700 | Ph.D. Comprehensive Examination.      | 0       |
| COMP 701 | Thesis Proposal and Area Examination. | 3       |

## Complementary Courses (6- 32 credits)

32 credits of graduate-level courses, excluding COMP 604, COMP 700, and COMP 701. Students with a master's degree in Computer Science or a related field are eligible for a course reduction by counting courses taken during their master's degree. Students must take a minimum of 6 credits of complementary courses at the graduate level from McGill after the course reduction. Course choice must be approved by the supervisor (or co-supervisor).

# Computer Science: Bioinformatics (Ph.D.)

**Offered by:** Computer Science (Faculty of Science)

**Degree:** Doctor of Philosophy

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course     | Title                                 | Credits |
|------------|---------------------------------------|---------|
| COMP 616D1 | Bioinformatics Seminar.               | 1.5     |
| COMP 616D2 | Bioinformatics Seminar.               | 1.5     |
| COMP 700   | Ph.D. Comprehensive Examination.      | 0       |
| COMP 701   | Thesis Proposal and Area Examination. | 3       |

## Complementary Courses

Two courses chosen from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| BINF 621 | Bioinformatics: Molecular Biology. | 3       |
| BMDE 652 | Bioinformatics: Proteomics.        | 3       |
| BTEC 555 | Structural Bioinformatics.         | 3       |
| PHGY 603 | Systems Biology and Biophysics.    | 3       |

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.

# Earth and Planetary Sciences

## 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, and much of the research is highly interdisciplinary.

Facilities in the Department include experimental laboratories (both at low and high temperatures and pressures), stable-isotope mass spectrometers, cavity ringdown isotope analyzers, a laser-ablation ICP-MS, an electron microprobe, and atomic absorption spectrometers. Our students also make substantial use of other facilities at McGill and at the Geotop Research Centre facilities located nearby at *Université du Québec à Montréal*.

Financial assistance is available to all graduate students in the form of teaching assistantships, graduate student stipends, and scholarships.

## Areas of Research

### Carbon Cycle Biogeochemistry

Reconstructions of past climate and carbon cycle change using sediments from lacustrine, coastal, and marine sediments. Examining processes controlling carbon cycling in freshwater environments, including the burial of organic matter in sediments and the production of greenhouse gases through microbial respiration. Quantification and source apportionment of greenhouse gas emissions in human-dominated and natural environments.

### 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.

### Exoplanet Climate

Using telescopes on the ground and in space to explore the surfaces and atmospheres of the diverse planets outside the Solar System: How much incident stellar flux do planets absorb? How do they move this energy through atmospheric and oceanic circulation? Which planets enjoy habitable surface conditions? Do any of them exhibit atmospheric biosignatures?

### Geobiology

Understanding the role of microorganisms in biogeochemical cycles; cultivation of environmental microorganisms; applying molecular and isotopic tools to characterize microbial activity in present and past environments.

### Geophysics and Climate

Applying physics to study the interactions between the solid Earth, ice, ocean, and climate systems; numerical modelling, analysis, and interpretation of paleo and modern sea-level changes; solid earth

deformation and glacial isostatic adjustment; and ice in the Earth and climate systems.

### Hydrogeology

Studies of pore-water flow in permafrost environments; heat transport; heat as a tracer of natural systems; groundwater modelling; coupled numerical models of pore water flow and heat transport with freeze/thaw processes; and the impact of melting tropical glaciers on water resources.

### Hydrology and Ecohydrology

Studies of the storage, release, and transport of water, nutrients, and other contaminants in watersheds; combination of field, laboratory, big data science and modelling approaches; use of a complex-systems lens to identify the resistance and resilience of watersheds to climate and environmental change; implications for water management and policy in forested, agricultural, and mixed-used watersheds.

### 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 ICPMS; petrology, geochemistry, and tectonics of the Appalachian lithosphere.

### Isotopic Geochemistry and Sedimentary Geology

Sedimentology, stratigraphy, and isotope geochemistry as guides to reconstructing ancient environments. Reconstruction of Proterozoic paleogeographies and the origin and evolution of Proterozoic sedimentary basins. Documenting and interpreting paleoenvironmental change during the Proterozoic. Relationships between tectonics (i.e., supercontinental break-up and assembly), seawater chemistry and ocean redox, and climate change. Calibrating the diversification of early eukaryotes and their impact on global biogeochemical cycles.

### Seismology

Subduction earthquake nucleation and rupture propagation processes; physical mechanism of aseismic deformation transients, deep non-volcanic tremors, dynamic and static stress triggering of low-frequency earthquakes, and transients; pore-fluid pressure coupling with frictional strength and slip.

### 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.

## Program Overview

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 typically begins in the first year of residence and is 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 environmental consulting industries. Excellent students admitted into the M.Sc. program can be fast-tracked from the M.Sc. into the Ph.D. program at the end of the first year if suitable progress has been demonstrated. Such students are required to take a minimum of 18 credits of coursework in total, and a comprehensive oral examination before the end of 18 months in the Ph.D. program.

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. In addition to courses, Ph.D. students commence work on the thesis research project, including preparation for an oral examination on their research proposal before the end of 18 months from starting the program. 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, government-funded research institutes, and mineral exploration and environmental consulting industries.

## Earth and Planetary Sciences Admission Requirements and Application Procedures

### Admission Requirements

Applicants should have an academic background equivalent to that of a McGill graduate in the Honours or Major programs in geology, geophysics, chemistry, biology, physics, engineering or a related degree (minimum CGPA of 3.0/4.0). 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.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### Application Procedures

Students should first contact potential supervisors within the Department of Earth and Planetary Sciences 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 at [grad.eps@mcgill.ca](mailto:grad.eps@mcgill.ca). Candidates should indicate their field(s) of interest when making formal applications for admission.

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See Application Procedures (p. 53) for more information.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Earth and Planetary Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Earth and Planetary Sciences (Ph.D.) (p. 496)
- Earth and Planetary Sciences (Thesis) (M.Sc.) (45 credits) (p. 495)

## Location

Department of Earth and Planetary Sciences  
Frank Dawson Adams Building  
3450 University St.  
Montréal, QC H3A 0E8

Telephone: 514-398-6767  
Email: [grad.eps@mcgill.ca](mailto:grad.eps@mcgill.ca)  
Website: [mcgill.ca/eps](http://mcgill.ca/eps)

## Earth and Planetary Sciences (Thesis) (M.Sc.) (45 credits)

**Offered by:** Earth & Planetary Sciences (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The Master of Science in Earth and Planetary Sciences (Thesis) provides the opportunity to conduct research, and it focuses on a broad range of geological, Earth systems, and planetary science topics. Research encompasses natural physical and chemical processes across the age of the solar system, their interaction with life forms, and the impact of human activities on our environment.

## Thesis Courses (30-33 credits)

At least 30 credits must be chosen from:

| Expand allContract all |                       |         |
|------------------------|-----------------------|---------|
| Course                 | Title                 | Credits |
| EPSC 696               |                       |         |
| EPSC 697               | Thesis Preparation 1. | 9       |
| EPSC 698               | Thesis Preparation 2. | 12      |
| EPSC 699               | Thesis Preparation 3. | 12      |



## Complementary Courses (12-15 credits)

12-15 credits of EPSC (or other approved) courses chosen at the 500-, 600-, or 700-level in consultation with the thesis supervisor, which may include the following (for those with adequate preparation and departmental approval):

Expand allContract all

| Course   | Title | Credits |
|----------|-------|---------|
| EPSC 695 |       |         |

special departmental approval to take the following course as a complementary course:

## Earth and Planetary Sciences (Ph.D.)

**Offered by:** Earth & Planetary Sciences (Faculty of Science)

**Degree:** Doctor of Philosophy

### Program Description

The Ph.D. in Earth and Planetary Sciences provides the opportunity to conduct research in a broad range of geological, Earth systems, and planetary science topics. Departmental expertise encompasses natural physical and chemical processes across the age of the solar system, their interaction with life forms, and the impact of human activities on our environment. The thesis must focus on research in an area related to one of the Department's research groups, and must produce original contributions to scholarship.

### Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

### Required Courses

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| EPSC 700 | Preliminary Doctoral Examination. | 0       |

## Complementary Courses (6-21 credits)

Students entering with an M.Sc. (as PhD2) are required to take 6-9 credits of courses at level 500 or higher selected in consultation with the thesis supervisor.

Students entering with a B.Sc (as PhD1) are required to take 18-21 credits of courses at the 500 level or higher selected in consultation with the thesis supervisor.

Students with adequate preparation (typically the equivalent of more than four courses at the 500 level or higher) may request

# Geography

## About Geography

The Department of Geography offers research and thesis-based graduate programs leading to a **Master of Arts (M.A.)**, a **Master of Science (M.Sc.)**, or **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 Development;
- Geographic Information Systems and Remote Sensing;
- Land Surface Processes, Ecosystem Biogeochemistry, and Ecohydrology;
- Earth System Science and Global Change;
- Sustainability Science and Environmental Management.

Geography houses McGill's Geographic Information Centre (GIC), maintains Arctic and Sub-Arctic field stations, and has strong ties with McGill's Bieler School of Environment (p. 319). 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 Africa, Southeast Asia, and Latin America.

Being both a natural and a social science, geography provides a unique opportunity to obtain a broad interdisciplinary 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 obtain a career in one of 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, policy analysts, and physical scientists in government agencies and research councils, 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 to learn more about the advantages of having a geography degree from McGill!

Master's degrees in both the physical sciences (M.Sc.) and social sciences (M.A.) 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, required, and complementary 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 Graduate Program Director and the student's thesis supervisor see fit, and submit a thesis in an appropriate area of geographical inquiry approved by the supervisor.

## McGill Northern Research Stations

The Faculty of Science, in collaboration with the Department of Geography operates two northern research field stations. The McGill Sub-Arctic Research Station (MSARS) is located in Schefferville, in the centre of Quebec-Labrador. The McGill Arctic Research Station (MARS) is located at Expedition Fiord on Axel Heiberg Island in the

High Arctic. These facilities support field research in most areas of physical geography, including glaciology, permafrost hydrology, and geomorphology in the arctic, and some areas of human geography in the subarctic. For additional information on these stations, contact the Graduate Program Coordinator at [grad.geog@mcgill.ca](mailto:grad.geog@mcgill.ca).

## Geography Admission Requirements and Application Procedures

### Admission Requirements

#### M.A. and M.Sc. Degrees

Applicants not satisfying the conditions in University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53), 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, applicants 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 or a related discipline (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 a master's degree. These students, 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 fields, which cover a wide range of systematic areas, are listed in documents available from the Department.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

Further departmental application information is listed at [mcgill.ca/geography/graduate](http://mcgill.ca/geography/graduate).

### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Research Proposal
- Letters of Reference – **two** references required for M.A. and M.Sc. programs; **three** references required for Ph.D. program
- Curriculum Vitae

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Geography Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Geography (Ph.D.) (p. 499)
- Geography (Thesis) (M.Sc.) (45 credits) (p. 498)
- Geography (Thesis): Environment (M.Sc.) (45 credits) (p. 498)
- Geography (Thesis): Neotropical Environment (M.Sc.) (45 credits) (p. 499)
- Geography: Environment (Ph.D.) (p. 500)
- Geography: Gender and Women's Studies (Ph.D.) (p. 500)
- Geography: Neotropical Environment (Ph.D.) (p. 500)

## Location

Department of Geography  
Burnside Hall, Room 305  
805 Sherbrooke St W.  
Montréal, QC H3A 0B9

Telephone: 514-498-4111  
Email: [grad.geog@mcgill.ca](mailto:grad.geog@mcgill.ca)  
Website: [mcgill.ca/geography](http://mcgill.ca/geography)

## Geography (Thesis) (M.Sc.) (45 credits)

**Offered by:** Geography (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The Master of Science in Geography; Thesis is a research-based program of 45 credits. The program provides the opportunity to conduct research, including field-based studies, focusing on the natural (i.e., biophysical) sciences and includes supervision by a faculty member. Research themes reflect the expertise and interests of current faculty members. A thesis, based on original research, is required.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| GEOG 698 | Thesis Proposal. | 6       |
| GEOG 699 | Thesis Research. | 24      |

## Required Course (3 credits)

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| GEOG 631 | Methods of Geographical Research. | 3       |

## 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.

## Geography (Thesis): Environment (M.Sc.) (45 credits)

**Offered by:** Geography (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The Master of Science in Geography; Thesis – Environment is a research-based program of 45 credits. This program is offered in collaboration with the Bieler School of Environment (BSE). The program focuses on the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. The thesis must be on a topic that relates to both the environment and geography.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                                 | Credits |
|----------|---------------------------------------|---------|
| GEOG 697 | Thesis Research (Environment Option). | 18      |
| GEOG 698 | Thesis Proposal.                      | 6       |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| ENVR 650 | Environmental Seminar 1.             | 1       |
| ENVR 651 | Environmental Seminar 2.             | 1       |
| ENVR 652 | Environmental Seminar 3.             | 1       |
| GEOG 631 | Methods of Geographical Research.    | 3       |

## Complementary Courses (12 credits)

9 credits of courses at the 500 level or higher selected according to guidelines of the Department. GEOG 696 Thesis Preparation. can count among these complementary credits for students with an appropriate background.

3 credits, one course chosen from the following:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| ENVR 620 | Environment and Health of Species. | 3       |
| ENVR 630 | Civilization and Environment.      | 3       |
| ENVR 680 | Topics in Environment 4.           | 3       |

or another course at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

## Geography (Thesis): Neotropical Environment (M.Sc.) (45 credits)

**Offered by:** Geography (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

### Program Description

The Master of Science in Geography; Thesis – Neotropical Environment is a research-based program of 45 credits. The program is offered in collaboration with the Bieler School of Environment and the Smithsonian Tropical Research Institute (STRI- Panama). The program is focused on environmental issues relevant to the Neotropics and Latin American countries including thematic areas such as geography, environment, biology, agricultural sciences, sociology, and political science. The program favours interdisciplinary approaches to research and learning through the participation of researchers from McGill University and from STRI. Some research and teaching is conducted in Latin America and Panama. The thesis must be on a topic that relates to both the neotropical environment and geography.

Participation in the MSE-Panama Symposium presentation in Montreal is also required.

## Thesis Courses (30 credits)

Expand allContract all

| Course   | Title            | Credits |
|----------|------------------|---------|
| GEOG 698 | Thesis Proposal. | 6       |
| GEOG 699 | Thesis Research. | 24      |

## Required Courses (9 credits)

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| GEOG 631 | Methods of Geographical Research.    | 3       |

## Complementary Course (3 credits)

3 credits, one Geography graduate course. GEOG 696 Thesis Preparation. 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.

## Geography (Ph.D.)

**Offered by:** Geography (Faculty of Science)

**Degree:** Doctor of Philosophy

### Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| GEOG 631 | Methods of Geographical Research. | 3       |
| GEOG 700 | Comprehensive Examination 1.      | 0       |
| GEOG 701 | Comprehensive Examination 2.      | 0       |
| GEOG 702 | Comprehensive Examination 3.      | 0       |

## Complementary Courses

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

# Geography: Environment (Ph.D.)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Doctor of Philosophy

## Program Description

\*\*This program is currently not offered.\*\*

The Doctor of Philosophy in Geography; Environment is a research-based program offered in collaboration with the Bieler School of Environment (BSE). The program focuses on the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. The thesis must be on a topic that relates to both the environment and geography.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                                                      | Credits |
|----------|------------------------------------------------------------|---------|
| ENVR 615 | Interdisciplinary Approach Environment and Sustainability. | 3       |
| GEOG 631 | Methods of Geographical Research.                          | 3       |
| GEOG 700 | Comprehensive Examination 1.                               | 0       |
| GEOG 701 | Comprehensive Examination 2.                               | 0       |
| GEOG 702 | Comprehensive Examination 3.                               | 0       |

## Complementary Courses (9 credits)

3-6 credits chosen from:

Expand allContract all

| Course   | Title                                   | Credits |
|----------|-----------------------------------------|---------|
| ENVR 610 | Foundations of Environmental Policy.    | 3       |
| ENVR 614 | Mobilizing Research for Sustainability. | 3       |

0-3 credits chosen from:

Expand allContract all

| Course   | Title                         | Credits |
|----------|-------------------------------|---------|
| ENVR 585 | Readings in Environment 2.    | 3       |
| ENVR 630 | Civilization and Environment. | 3       |
| ENVR 680 | Topics in Environment 4.      | 3       |

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

0-3 credits of Geography course at the 500 level or higher selected according to the guidelines of the Department.

# Geography: Gender and Women's Studies (Ph.D.)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Doctor of Philosophy

## Program Description

The Doctor of Philosophy in Geography; Gender and Women's Studies is a research-based program that focuses on interdisciplinary gender and women's studies and issues in feminist research and methods. The thesis must be on a topic that relates to both gender and women's studies and geography.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                             | Credits |
|----------|-----------------------------------|---------|
| GEOG 631 | Methods of Geographical Research. | 3       |
| GEOG 700 | Comprehensive Examination 1.      | 0       |
| GEOG 701 | Comprehensive Examination 2.      | 0       |
| GEOG 702 | Comprehensive Examination 3.      | 0       |
| WMST 601 | Feminist Theories and Methods.    | 3       |
| WMST 602 | Feminist Research Symposium.      | 3       |

## 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.

# Geography: Neotropical Environment (Ph.D.)

**Offered by:** Geography (Faculty of Science)  
**Degree:** Doctor of Philosophy



## Program Description

The Doctor of Philosophy in Geography; Neotropical Environment is a research-based program offered in collaboration with the Bieler School of Environment and the Smithsonian Tropical Research Institute (STRI-Panama). The program is focused on environmental issues relevant to the Neotropics and Latin American countries including thematic areas such as geography, environment, biology, agricultural sciences, sociology, and political science. The program favours interdisciplinary approaches to research and learning through the participation of researchers from McGill University and from STRI. Some research and teaching is conducted in Latin America and Panama. The thesis must be on a topic that relates to both the neotropical environment and geography.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                                | Credits |
|----------|--------------------------------------|---------|
| BIOL 640 | Tropical Biology and Conservation.   | 3       |
| ENVR 610 | Foundations of Environmental Policy. | 3       |
| GEOG 631 | Methods of Geographical Research.    | 3       |
| GEOG 700 | Comprehensive Examination 1.         | 0       |
| GEOG 701 | Comprehensive Examination 2.         | 0       |
| GEOG 702 | Comprehensive Examination 3.         | 0       |

## 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.

# Mathematics and Statistics

## About Mathematics and Statistics

The Department of Mathematics and Statistics offers programs that can be focused on applied mathematics, pure mathematics, and statistics leading to master's (M.A. or M.Sc.) and Ph.D. degrees. The research areas are:

- Algebra;
- Algebraic Geometry;
- Analysis;
- Category Theory;
- Data Science;
- Discrete Mathematics;
- Differential Geometry;
- Dynamical Systems;
- Geometric Group Theory;
- Logic;
- Mathematical Biology;
- Mathematical Economics;
- Mathematical Physics;
- Mathematics of Machine Learning;
- Number Theory;
- Numerical Analysis;
- Optimization;
- Partial Differential Equations;
- 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 Ph.D. program in Mathematics and Statistics is thesis only.

The Department's website provides extensive information on the Department and its facilities, including the research activities and research interests of individual faculty members. It also provides detailed supplementary information concerning our programs, admissions, funding of graduate students, thesis requirements, advice concerning the choice of courses, etc.

Students are urged to consult the *Institut des Sciences Mathématiques* (ISM) website, 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.

## Mathematics and Statistics

### Admission Requirements and Application Procedures

#### 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.

#### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

#### Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Personal Statement – In the personal statement, the applicants should clearly explain their choice of preferred area(s) of research, as well as providing relevant information that will not be reflected on their transcripts.
- Research Proposal (optional) – If applicants have a specific research problem of interest that they want to pursue, they may discuss the details in the research proposal.
- Applicants in pure and applied mathematics should provide a GRE score report, if available.

For more details, please consult the Department of Mathematics and Statistics' Admissions page.

#### Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Mathematics and Statistics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the

appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Science Programs in Mathematics and Statistics

- Mathematics and Statistics (Non-Thesis) (M.Sc.) (45 credits) (p. 503)
- Mathematics and Statistics (Ph.D.) (p. 503)
- Mathematics and Statistics (Thesis) (M.Sc.) (45 credits) (p. 503)

## Arts Programs in Mathematics and Statistics

- Mathematics and Statistics (Thesis) (M.A.) (p. 178)
- Mathematics and Statistics (Non-Thesis) (M.A.) (p. 179)
- Mathematics and Statistics (Ph.D.) (p. 179)

## Program Overview

The **Doctor of Philosophy (Ph.D.) Mathematics and Statistics** differs substantially from the master's programs in that the student must write a thesis that 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 (usually a member of the Progress Tracking Committee), an external examiner, and the Oral Examination Committee. The student must present an oral defence of the thesis before that Committee. To submit a thesis for examination, the student must first pass the Ph.D. Qualifying Examination.

## Location

Department of Mathematics and Statistics  
Burnside Hall, Room 1010  
805 Sherbrooke St. W.  
Montréal, QC H3A 0B9

Telephone: 514-398-1297  
Email: [grad.mathstat@mcgill.ca](mailto:grad.mathstat@mcgill.ca)  
Website: [mcgill.ca/mathstat](http://mcgill.ca/mathstat)

## Mathematics and Statistics (Thesis) (M.Sc.) (45 credits)

**Offered by:** Mathematics and Statistics (Faculty of Science)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

The Master of Science (M.Sc.) in Mathematics and Statistics; Thesis is an advanced program focusing on the areas of applied mathematics, pure mathematics, and statistics.

## Thesis Courses (24 credits)

Expand allContract all

| Course   | Title                       | Credits |
|----------|-----------------------------|---------|
| MATH 600 | Master's Thesis Research 1. | 6       |
| MATH 601 | Master's Thesis Research 2. | 6       |
| MATH 604 | Master's Thesis Research 3. | 6       |
| MATH 605 | Master's Thesis Research 4. | 6       |

## Complementary Courses (21 credits)

At least six approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

## Mathematics and Statistics (Non-Thesis) (M.Sc.) (45 credits)

**Offered by:** Mathematics and Statistics (Faculty of Science)  
**Degree:** Master of Science  
**Program credit weight:** 45

## Program Description

**\*\*This program is not currently offered.\*\***

The Master of Science (M.Sc.) in Mathematics and Statistics; Non-Thesis is an advanced program focusing on the areas of applied mathematics, pure mathematics, and statistics.

## Research Project (16 credits)

Expand allContract all

| Course   | Title      | Credits |
|----------|------------|---------|
| MATH 640 | Project 1. | 8       |
| MATH 641 | Project 2. | 8       |

## Complementary Courses (29 credits)

At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

## Mathematics and Statistics (Ph.D.)

**Offered by:** Mathematics and Statistics (Faculty of Science)  
**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Mathematics and Statistics focuses on research in the mathematical or statistical sciences, including the completion of original research publishable in mainstream refereed journals.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show

familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| MATH 701 | Ph.D. Qualifying Examination . | 0       |

## Complementary Courses (21 credits)

21 credits of courses at the 500 level or above, including at least 6 credits at the 600 level or above. A maximum of 4 credits of courses can be Pass/Fail courses. The choice of courses to fulfill this requirement must be prior approved by the student's Advisory Committee. The Department recommends that students take complementary courses in at least three different areas of Mathematics and Statistics.

All credits of complementary courses should be taken before the end of PhD 3. In exceptional circumstances, an extension can be granted by the student's Advisory Committee.

Students who wish to take more than 8 credits of complementary courses from outside the Department should request approval from the Graduate Program Director.

# Physics

## About Physics

The Department of Physics currently has a faculty of approximately 40 members, including several holders of Canada Research Chairs and many other prestigious named Chairs. Additionally, we host an impressive number of postdoctoral fellows and research associates and run one of the largest and most vibrant graduate programs in North America. Graduate student enrolment is currently approximately 200.

Faculty members in the Department of Physics are recognized internationally for their excellence. Our members have received national and international prizes and fellowships including *Les Prix Du Québec*, Steacie Prize, Sloan Fellowships, NSERC, and many others. They are also in constant demand as reviewers and referees. Students who earn advanced degrees from the Department of Physics will not only get an excellent education, they will also receive valuable guidance and network contacts to help with subsequent career steps.

The Department offers full **M.Sc.** and **Ph.D.** degree programs in a wide range of disciplines, including:

- astrophysics;
- atmospheric physics;
- bio-physics;
- condensed-matter physics;
- high-energy physics;
- laser spectroscopy;
- material physics;
- non-linear dynamics and atmospheric physics;
- nuclear physics;
- statistical physics;
- medical-radiation physics.

Although most of the teaching and research facilities are located in the Ernest Rutherford Physics Building, the Department has space and research facilities in the Wong Materials Science Centre, adjacent to the Rutherford Building. Our groups also conduct research at the McGill University Health Centre (MUHC), the Jewish General Hospital, the Montreal Neurological Institute (MNI), and laboratories around the world—including Argonne, CERN, FermiLab, SLAC, TRIUMF, and KEK.

Departmental researchers enjoy technical support in the areas of engineering, electronics, and precision machining. The Department maintains an excellent conventional machine shop as well as the McGill Nanotools-Microfab facility. Most of the scientific computing is done with an extensive in-house network of powerful workstations and several Beowulf clusters.

Remote access to supercomputing sites in Canada and the United States is also possible including the McGill HPC super-computing facility which is a part of the nationwide network of high performance computing installations in Quebec.

The Department of Physics offers a competitive funding package for both local and international students.

Graduate students in the Department of Physics come from many different countries and cultural backgrounds, providing a stimulating cosmopolitan atmosphere in the Department. This, coupled with the unique opportunities afforded by the city of Montreal, guarantees a

quality of life that is second to none among Canadian universities. Please visit the Department of Physics Applications and Admissions page for more information.

## Fields of Research

### High-Energy Physics

*Theoretical:* The McGill high energy theorists have interests in a wide range of areas within quantum field theory, string theory, quantum gravity, and cosmology. Research areas of the high-energy theory faculty include applications of quantum field theory techniques to relativistic heavy ion collisions, baryogenesis, superstring cosmology, theory of cosmological perturbations, black hole physics, supergravity, three dimensional gravity, and various topics related to the physics and mathematics of superstring theory. The high-energy theorists have close connections to the nuclear theory group, the astrophysics group, the high-energy experimentalists, and to members of the Mathematics Department.

*Experimental:* The experimental high-energy physics group is engaged in a number of experiments at the research frontiers of the field, both in subatomic physics and in high-energy astrophysics. These include:

- Electron-positron collisions: a group works on the BaBar experiment at SLAC and the Belle-2 experiment at the KEK laboratory in Japan, with specific interest in CKM matrix elements and physics beyond the Standard Model through studies of rare decays, and on R&D for a future International Linear Collider, with interest in calorimeter development.
- Hadron-hadron collisions: A group is involved in major contributions to the energy frontier at CERN's LHC, with work on the High Level Trigger for the ATLAS experiment. Work also focuses on searches for new physics phenomena, precision physics of known Standard Model processes, development of the ATLAS experiment's trigger system, and direct contribution to the upgrade of the ATLAS detector.
- High-energy particle astrophysics: ground-based gamma-ray astronomy using the VERITAS telescope array and development of the next-generation detector.
- Underground physics: A group carries out experimental R&D with the aim of measuring, for the first time, the neutrinoless double-beta decay process with the EXO experiment.

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; and 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, 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 and Biophysics

*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 materials; 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;
- the study of nonequilibrium phase transformations and microstructure evolution in materials
- 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 behaviour of very small systems by high-resolution force microscopy;
- electronic properties that emerge at the limits of miniaturization and quantum computing;
- 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 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 and Atmospheric Physics

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.

### Medical Radiation Physics

The Medical Physics 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 Unit's facilities are available for students to undertake a Ph.D. in Physics administered through the Department of Physics with a research emphasis on medical physics supervised, funded, and hosted by Medical Physics Unit PIs (principal investigators).

The research interests of Unit members include various aspects of medical imaging, including:

- 3D imaging;
- the development of new imaging modalities;
- applications of imaging in radiation therapy such as radiation dosimetry and solid state;
- nuclear cardiology; and
- applications of radiation biology to therapy.

## Physics Admission Requirements and Application Procedures

### Admission Requirements

#### M.Sc.

We normally require a background that is equivalent to our Physics Major (B.Sc.) (63 credits).

#### Ph.D.

The normal requirement is an M.Sc. in Physics or equivalent, but exceptional students may be considered for direct entry to the Ph.D. program. On the recommendation of the Departmental Graduate Committee, fast-tracking from the M.Sc. program into the Ph.D. program may be granted after one year, if:

- the student has fulfilled the M.Sc. coursework requirements, or;
- the Committee determines that the student qualifies based on the student's academic record.

All students who transfer to the Ph.D. program are required to fulfil Ph.D. coursework requirements in addition to the courses taken as an M.Sc. candidate.

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/apply](http://mcgill.ca/gradapplicants/apply).

See University Regulations & Resources (p. 11) > Graduate > Graduate Admissions and Application Procedures > Application Procedures (p. 53) for detailed application procedures.

## Financial Assistance

Financial assistance will be offered to all students at the time of acceptance, if applicable. For more information, please visit our finance page: [physics.mcgill.ca/grads/finance.html](http://physics.mcgill.ca/grads/finance.html).

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- two letters of reference;
- Physics CV;
- personal statement;
- thesis abstract or summary – optional;
- GRE – recommended but not required

A list of supporting documentation required by the University can be found at [mcgill.ca/gradapplicants/apply/prepare/checklist/documents](http://mcgill.ca/gradapplicants/apply/prepare/checklist/documents). International students must also demonstrate proficiency in English. Details are available at [mcgill.ca/gradapplicants/international/apply/proficiency](http://mcgill.ca/gradapplicants/international/apply/proficiency).

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Physics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Please note, the Ph.D. program with a research emphasis on medical physics only accepts students in Fall.

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Physics (Ph.D.) (p. 507)
- Physics (Thesis) (M.Sc.) (45 credits) (p. 507)

## Program Overview

The **Master of Science (M.Sc.) Physics (Thesis)** program provides a comprehensive introduction to the academic, research, and practical aspects of physics. The primary goal of this program is to provide students with unique opportunities to learn fundamental research techniques in experimental and/or theoretical research, and objectively synthesize information from scientific literature. Each M.Sc. student chooses their preferred major research area and research supervisor. Thesis work is available in a broad range of sub-disciplines (see departmental website for details). Students wishing to continue to our doctoral program have the option, with supervisor approval, of transferring directly to the Ph.D., waiving the M.Sc. thesis submission.

The **Doctor of Philosophy (Ph.D.) Physics** provides all the tools required for a competitive career in academic settings, as well as in industry or other fields. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental or theoretical approaches. Graduate research activities leading to

the presentation of a Ph.D. thesis involve original work, with distinct contributions to knowledge. Our graduate program offers training in a unique and multidisciplinary environment in Canada's top university and may involve an extended stay at one of the world's major research laboratories.

## Location

Department of Physics  
Ernest Rutherford Physics Building  
3600 University St.  
Montréal, QC H3A 2T8

Telephone: 514-398-6485 (Graduate Information)  
Fax: 514-398-8434  
Email: [graduate.physics@mcgill.ca](mailto:graduate.physics@mcgill.ca)  
Website: [physics.mcgill.ca](http://physics.mcgill.ca)

## Physics (Thesis) (M.Sc.) (45 credits)

**Offered by:** Physics (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Physics focuses on conducting innovative research in a broad range of fields at the cutting edge of physics, which include but are not limited to astronomy, high energy physics, condensed matter physics, materials science and biophysics. The thesis must focus on research in an area related to one of the Department's research groups.

## Required Courses (30 credits)

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| PHYS 601 | Introduction to Graduate Studies in Physics 1. | 1.5     |
| PHYS 602 | Introduction to Graduate Studies in Physics 2. | 1.5     |
| PHYS 690 | M.Sc. Thesis.                                  | 24      |
| PHYS 693 | M.Sc. Research.                                | 3       |

## 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 satisfy up to 6 credits through the following courses:

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| PHYS 691 | Thesis Preparation. | 3       |
| PHYS 692 | Thesis Project.     | 6       |

## Physics (Ph.D.)

**Offered by:** Physics (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Physics focuses on conducting research in a broad range of fields at the cutting edge of physics, which include but are not limited to astronomy, high energy physics, condensed matter physics, materials science and biophysics. The thesis must focus on research in an area related to one of the Department's research groups, and must produce original contributions to scholarship.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Course

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| PHYS 700 | Preliminary Ph.D. Examination. | 0       |

## Complementary Courses (6-9 credits)

0-3 credits from:

Expand allContract all

| Course   | Title                                          | Credits |
|----------|------------------------------------------------|---------|
| PHYS 601 | Introduction to Graduate Studies in Physics 1. | 1.5     |
| PHYS 602 | Introduction to Graduate Studies in Physics 2. | 1.5     |

<sup>1</sup> Students who completed PHYS 601 and PHYS 602 as part of the McGill M.Sc. in Physics program are exempt from these courses.

6 credits at the 600 level or higher, with at least 3 credits in the candidate's area of specialization. Students who completed two or more courses at the 600-level as part of the McGill M.Sc. in Physics program may contact the department to request a 3-credits exemption.

# Psychology

## About Psychology

The Department of Psychology at McGill University offers two primary graduate training tracks: the Experimental Psychology Track and the Clinical Psychology Track. Each is designed to support distinct academic and professional goals, whether in research, teaching, or clinical practice.

The aim of the **Experimental Psychology Program** track 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.

The **Clinical Psychology Program** track 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 hospital, clinical, or educational settings). 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; the Department offers direct entry to a doctoral degree for holders of an undergraduate degree, and students are expected to complete the full program leading to a doctoral degree.

Research interests of members of the Psychology Department include:

- behavioural neuroscience;
- clinical psychology;
- cognition and cognitive neuroscience;
- developmental science;
- health psychology;
- quantitative psychology and modelling; and
- social 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 and Hospital, Allan Memorial Institute, Douglas Mental Health University Institute, Jewish General Hospital, Montreal Children's Hospital, and Montreal General Hospital to permit graduate students to undertake research in a hospital setting.

**Note:** Many MUHC-affiliated hospitals and institutes are now located at the Glen site; further information is available on the MUHC website.

For inquiries about all programs and financial aid, and for application forms, email the graduate program administrator (psychology.grad@mcgill.ca).

## Psychology Admission Requirements and Application Procedures

### 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 Major 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. Students applying to the Clinical Program are advised to complete 42 specific undergraduate credits in psychology as specified by the Order of Psychologists of Quebec (*Ordre des psychologues du Québec*).

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.

Applicants should note that the deadline for many scholarships and fellowships is about four months earlier than the application deadlines and that applications for scholarships and fellowships should be submitted through their home university.

The GRE General Test as well as the Psychology Subject Test are not mandatory, but if you wish to take either or both, your scores can be submitted to us and will be added to your application.

**Note:** Official transcripts do not need to be included as part of an application; they will only be requested once applicants are formally accepted into the program.

### English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit [mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/proficiency](http://mcgill.ca/gradapplicants/how-apply/you-apply-mcgill/proficiency).

### Application Procedures

McGill's online application form for graduate program candidates is available at [mcgill.ca/gradapplicants/how-apply](http://mcgill.ca/gradapplicants/how-apply).

See Application Procedures (p. 53) for detailed application procedures.

## Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Three letters of reference
- Personal Statement
- Curriculum Vitae
- Application Summary Sheet

For further details about these additional requirements, consult the Department of Psychology's website.

## Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Psychology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications are considered only as time and space permit.

## Available Programs

- Psychology (Ph.D.) (p. 510)
- Psychology (Thesis) (M.Sc.) (45 credits) (p. 510)
- Psychology: Behavioural Neuroscience (Ph.D.) (p. 511)
- Psychology: Language Acquisition (Ph.D.) (p. 512)

## Program Overview

The course requirements for the **M.Sc.** and the **M.A.** are identical. You can choose either M.Sc. or M.A. according to your preference.

The **Doctor of Philosophy (Ph.D.) Psychology: Behavioural Neuroscience** program emphasizes modern, advanced theory and methodology aimed at the neurological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise, the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses behavioural neuroscience themes.

The **Doctor of Philosophy (Ph.D.) Psychology: Language Acquisition** is a unique interdisciplinary program that 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.

Visit the Department of Psychology's site for additional information on graduate program tracks.

## Location

Department of Psychology  
2001 McGill College Ave., 7th Floor  
Montréal, QC H3A 1G1

Telephone: 514-398-6127/514-398-6137

Email: [psychology.grad@mcgill.ca](mailto:psychology.grad@mcgill.ca)

Website: [mcgill.ca/psychology](http://mcgill.ca/psychology)

## Psychology (Thesis) (M.Sc.) (45 credits)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

The M.Sc. in Psychology focuses on research in the field of psychology, culminating in the submission of a thesis. The program emphasizes the skills in critical reading, data collection, and scientific communication. This program typically takes 2 years to complete.

## Thesis Courses (27 credits)

Expand allContract all

| Course   | Title               | Credits |
|----------|---------------------|---------|
| PSYC 690 | Masters Research 1. | 15      |
| PSYC 699 | Masters Research 2. | 12      |

## Required Courses (18 credits)

Expand allContract all

| Course     | Title                      | Credits |
|------------|----------------------------|---------|
| PSYC 601   | First Year Research Paper. | 6       |
| PSYC 650   | Advanced Statistics 1.     | 3       |
| PSYC 651   | Advanced Statistics 2.     | 3       |
| PSYC 660D1 | Psychology Theory.         | 3       |
| PSYC 660D2 | Psychology Theory.         | 3       |

## Psychology (Ph.D.)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

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

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Course

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| PSYC 701 | Doctoral Comprehensive Examination. | 0       |

## Complementary Courses (12-24 credits)

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

Expand allContract all

| Course     | Title                                       | Credits |
|------------|---------------------------------------------|---------|
| PSYC 712   | Comparative and Physiological Psychology 3. | 3       |
| PSYC 715   | Comparative and Physiological Psychology 6. | 3       |
| PSYC 722   | Personality and Social Psychology.          | 3       |
| PSYC 723   | Personality and Social Psychology.          | 3       |
| PSYC 724   | Personality and Social Psychology.          | 3       |
| PSYC 725   | Personality and Social Psychology.          | 3       |
| PSYC 727   | Personality and Social Psychology.          | 3       |
| PSYC 728   | Ethics and Professional Issues.             | 3       |
| PSYC 729   | Theory of Assessment.                       | 3       |
| PSYC 730   | Clinical Neuroscience Methods.              | 3       |
| PSYC 732   | Clinical Psychology 1.                      | 3       |
| PSYC 733   | Clinical Psychology 2.                      | 3       |
| PSYC 734   | Developmental Psychology and Language.      | 3       |
| PSYC 735   | Developmental Psychology and Language.      | 3       |
| PSYC 736   | Developmental Psychology and Language.      | 3       |
| PSYC 740   | Perception and Cognition.                   | 3       |
| PSYC 741   | Perception and Cognition.                   | 3       |
| PSYC 742   | Perception and Cognition.                   | 3       |
| PSYC 746   | Quantitative and Individual Differences.    | 3       |
| PSYC 747   | Quantitative and Individual Differences.    | 3       |
| PSYC 748   | Quantitative and Individual Differences.    | 3       |
| PSYC 749   | Quantitative and Individual Differences.    | 3       |
| PSYC 750   | Applied Bayesian Statistics.                | 3       |
| PSYC 752D1 | Psychotherapy and Behaviour Change.         | 3       |

|            |                                     |   |
|------------|-------------------------------------|---|
| PSYC 752D2 | Psychotherapy and Behaviour Change. | 3 |
| PSYC 753   | Health Psychology Seminar 1.        | 3 |

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| PSYC 650   | Advanced Statistics 1. | 3       |
| PSYC 651   | Advanced Statistics 2. | 3       |
| PSYC 660D1 | Psychology Theory.     | 3       |
| PSYC 660D2 | Psychology Theory.     | 3       |

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.

## Psychology: Behavioural Neuroscience (Ph.D.)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

The Ph.D. in Psychology; Behavioural Neuroscience program emphasizes modern, advanced theory and methodology aimed at the neurobiological underpinnings of behaviour in human and non-human animals. This program is intended for graduate students in any area of Psychology who wish to obtain unique, intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise; the interdisciplinary potential of their dissertation research, and enabling them to compete successfully for academic or commercial positions in either field alone, or their intersection. It requires that students complete a dissertation that addresses Behavioural Neuroscience themes as determined by the graduate program director.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses

Expand allContract all

| Course   | Title                                      | Credits |
|----------|--------------------------------------------|---------|
| PSYC 701 | Doctoral Comprehensive Examination.        | 0       |
| PSYC 781 | Behavioural Neuroscience Special Topics.   | 3       |
| PSYC 782 | Behavioural Neuroscience Advanced Seminar. | 3       |

## Complementary Courses (6-18 credits)

6 credits (one course per term in Year 2 and Year 3) chosen from relevant 700-level courses in consultation with the supervisor and graduate program director.

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| PSYC 650   | Advanced Statistics 1. | 3       |
| PSYC 651   | Advanced Statistics 2. | 3       |
| PSYC 660D1 | Psychology Theory.     | 3       |
| PSYC 660D2 | Psychology Theory.     | 3       |

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.

## Psychology: Language Acquisition (Ph.D.)

**Offered by:** Psychology (Faculty of Science)

**Degree:** Doctor of Philosophy

## Program Description

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.

## Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

## Required Courses (6 credits)

Expand allContract all

| Course   | Title                               | Credits |
|----------|-------------------------------------|---------|
| LING 710 | Language Acquisition Issues 2.      | 2       |
| PSYC 701 | Doctoral Comprehensive Examination. | 0       |

|          |                                |   |
|----------|--------------------------------|---|
| PSYC 709 | Language Acquisition Issues 1. | 2 |
| SCSD 712 | Language Acquisition Issues 4. | 2 |

## Complementary Courses (15-32 credits)

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

Expand allContract all

| Course     | Title                                       | Credits |
|------------|---------------------------------------------|---------|
| PSYC 712   | Comparative and Physiological Psychology 3. | 3       |
| PSYC 715   | Comparative and Physiological Psychology 6. | 3       |
| PSYC 722   | Personality and Social Psychology.          | 3       |
| PSYC 723   | Personality and Social Psychology.          | 3       |
| PSYC 724   | Personality and Social Psychology.          | 3       |
| PSYC 725   | Personality and Social Psychology.          | 3       |
| PSYC 727   | Personality and Social Psychology.          | 3       |
| PSYC 728   | Ethics and Professional Issues.             | 3       |
| PSYC 729   | Theory of Assessment.                       | 3       |
| PSYC 730   | Clinical Neuroscience Methods.              | 3       |
| PSYC 732D1 | Clinical Psychology 1.                      | 1.5     |
| PSYC 732D2 | Clinical Psychology 1.                      | 1.5     |
| PSYC 733D1 | Clinical Psychology 2.                      | 1.5     |
| PSYC 733D2 | Clinical Psychology 2.                      | 1.5     |
| PSYC 734   | Developmental Psychology and Language.      | 3       |
| PSYC 735   | Developmental Psychology and Language.      | 3       |
| PSYC 736   | Developmental Psychology and Language.      | 3       |
| PSYC 740   | Perception and Cognition.                   | 3       |
| PSYC 741   | Perception and Cognition.                   | 3       |
| PSYC 742   | Perception and Cognition.                   | 3       |
| PSYC 746   | Quantitative and Individual Differences.    | 3       |
| PSYC 747   | Quantitative and Individual Differences.    | 3       |
| PSYC 748   | Quantitative and Individual Differences.    | 3       |
| PSYC 749   | Quantitative and Individual Differences.    | 3       |
| PSYC 750   | Applied Bayesian Statistics.                | 3       |
| PSYC 752D1 | Psychotherapy and Behaviour Change.         | 3       |
| PSYC 752D2 | Psychotherapy and Behaviour Change.         | 3       |
| PSYC 753   | Health Psychology Seminar 1.                | 3       |

At least 3 credits selected from the following list:

Expand allContract all

| Course   | Title                                               | Credits |
|----------|-----------------------------------------------------|---------|
| EDSL 620 | Social Justice Issues in Second Language Education. | 3       |
| EDSL 623 | Second Language Learning.                           | 3       |
| EDSL 624 | Educational Sociolinguistics.                       | 3       |
| EDSL 627 | Instructed Second Language Acquisition Research.    | 3       |

|          |                                        |   |
|----------|----------------------------------------|---|
| EDSL 632 | Second Language Literacy Development.  | 3 |
| LING 651 | Topics in Acquisition of Phonology.    | 3 |
| PSYC 545 | Topics in Language Acquisition.        | 3 |
| PSYC 735 | Developmental Psychology and Language. | 3 |
| SCSD 619 | Phonological Development.              | 3 |
| SCSD 632 | Phonological Disorders: Children.      | 3 |
| SCSD 637 | Developmental Language Disorders 1.    | 3 |
| SCSD 643 | Developmental Language Disorders 2.    | 3 |
| SCSD 652 | Advanced Research Seminar 1.           | 3 |
| SCSD 653 | Advanced Research Seminar 2.           | 3 |
| SCSD 654 | Advanced Research Seminar 3.           | 3 |

0-2 from the following:

Expand allContract all

| Course   | Title                          | Credits |
|----------|--------------------------------|---------|
| EDPE 713 | Language Acquisition Issues 5. | 2       |
| EDSL 711 | Language Acquisition Issues 3. | 2       |

0-3 credits of statistics from the following list:

Expand allContract all

| Course   | Title                              | Credits |
|----------|------------------------------------|---------|
| EDPE 676 | Intermediate Statistics.           | 3       |
| EDPE 682 | Univariate/Multivariate Analysis.  | 3       |
| LING 620 | Experimental Linguistics: Methods. | 3       |
| PSYC 650 | Advanced Statistics 1.             | 3       |
| PSYC 651 | Advanced Statistics 2.             | 3       |

Students who have taken an equivalent course in statistics will be deemed to have satisfied this requirement for the Language Acquisition Option.

These 3 credits are only required for students who have not previously taken an equivalent course in statistics.

0-12 credits from the following (students without a McGill master's degree need to take all 12 credits):

Expand allContract all

| Course     | Title                  | Credits |
|------------|------------------------|---------|
| PSYC 650   | Advanced Statistics 1. | 3       |
| PSYC 651   | Advanced Statistics 2. | 3       |
| PSYC 660D1 | Psychology Theory.     | 3       |
| PSYC 660D2 | Psychology Theory.     | 3       |

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# Redpath Museum

## About Redpath Museum

The Redpath Museum is a unique interdisciplinary unit within the Faculty of Science offering graduate training in research devoted to biodiversity, ecology, conservation biology, and evolutionary biology, leading to **M.Sc.** and **Ph.D.** degrees. It is an institution with extensive collections of ancient and modern organisms, minerals, and cultural artifacts. Research and teaching are centered on collections-based study, object-oriented investigation, and fieldwork. The Museum has a unique public engagement mission with large exhibit galleries and a vibrant outreach program.

## Redpath Museum Admission Requirements and Application Procedures

### Admission Requirements

The Redpath Museum does not have its own graduate programs. All graduate students of the professors in the Redpath Museum have affiliations with either **Biology, Earth and Planetary Sciences, Anthropology, Natural Resource Sciences**, or **Education**. Admission requirements are subject to those home departments' regulations.

### Application Procedures

Students in the Redpath Museum may enroll 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 (p. 231). Anyone interested should contact the unit concerned.

### Application Dates and Deadlines

For more information, please contact the Graduate Program Coordinator in the department you are interested in.

## Location

Redpath Museum  
859 Sherbrooke St. W.  
Montréal, QC H3A 0C4

Telephone: 514-398-4086  
Email: [redpath.museum@mcgill.ca](mailto:redpath.museum@mcgill.ca)  
Website: [mcgill.ca/redpath](http://mcgill.ca/redpath)