



McGill



BIELER SCHOOL  
*of* ENVIRONMENT

# Bieler School of Environment

Student Handbook  
2023-2024

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# Introduction

This guide is intended for U0 and U1 students, who are beginning one of the programs in the Bieler School of Environment. The guide has six sections: **1)** information about the Bieler School; **2)** information about the programs and the “concentrations”; **3)** for U1 students – information to help you decide which courses to take; **4)** information about taking courses in other faculties; **5)** information about Minor programs; **6)** information about Advising; and **7)** other, really important information.

## Section 1: What is the Bieler School of Environment?

### *Two Campuses, One School*

Bieler School students stand to benefit from the diverse viewpoints of participating departments within three Faculties on two McGill campuses: the Faculty of Arts, and the Faculty of Science, located on the downtown campus in the heart of Montreal, Quebec; and the Faculty of Agricultural and Environmental Sciences, located on the Macdonald campus 35 km west of Montreal. Travel between the two campuses takes about 35 minutes by shuttle bus or car (closer to 50 minutes in rush hour), and about 60 minutes by public transit. The shuttle bus runs regularly throughout the day between campuses and is free for students ([www.mcgill.ca/transport/shuttle](http://www.mcgill.ca/transport/shuttle)).

Field research and field semester studies are also available to Environment students, in regions ranging from the Arizona desert, to the tropics, and east Africa. We encourage all Environment students to get a bit of the environment under their fingernails!

### *Degree Requirements*

Your McGill degree requires 90 to 120 credits, of which the Environment program is a subset. The size of the Environment program depends on the concentration selected (see Section 2 of this Handbook).

<b>Quebec students</b> 90 credits 3 years	<b>Environment Program</b> 54-72 credits (U1, U2, U3)
	<b>Electives</b> 18-36 credits (U1, U2, U3)

For **Quebec students** with a DEC from CEGEP:

The B.A., B.Sc., B.Sc.(Ag.Env.Sc.) and BA&Sc degrees consist of 90 credits taken over three years. Students start in year U1.

For **Non-Quebec students**:

The B.A., B.Sc., B.Sc.(Ag.Env.Sc.) and BA&Sc degrees consist of 120 credits taken over four years. Students begin in U0 with Freshman courses in Science or Arts, and only begin their Environment program in U1.

Students should check their letter of admission to see how many credits are required for their degree.

<b>Non-Quebec students</b> 120 credits 4 years	<b>Environment Program</b> 54-72 credits (U1, U2, U3)
	<b>Electives</b> 18-36 credits (U1, U2, U3)
	<b>Freshman</b> 30 credits (U0)

## Section 2: Programs and “Concentrations” in the Bieler School

### Programs

The Bieler School of Environment offers the following undergraduate programs:

- B.A. - Faculty Program in Environment (Faculty of Arts – Downtown Campus)
- B.A.& Sc. Interfaculty Program in Environment (Downtown Campus)
- B.A.& Sc. Interfaculty Program in Sustainability, Science and Society (offered with the Department of Geography - Downtown Campus)
- B.Sc. - Major Environment (Faculty of Science – Downtown Campus)
- B.Sc.(Ag.Env.Sc.) - Major Environment (Faculty of Agricultural and Environmental Sciences – Macdonald Campus)
- Honours in all five of the above programs, including a Joint Honours program in the B.Arts degree
- Minor (or Minor Concentration) in Environment (any Faculty)
- Diploma in Environment (Faculties of Arts, Science, or Agricultural and Environmental Science)

### Registration in the Environment Program

If you were admitted to McGill from CEGEP, then you are probably already registered as an Environment student. Check your transcript on Minerva to see what your Major program is. If it says “Environment” then you are already in the Bieler School of Environment. If not, then simply select Environment as your First Program. (In the B.A. and the BA&Sc, it is called the *Faculty* or *Interfaculty* Program in Environment, and is like a *Major*). Students in the Faculty of Ag.Env.Sc. must add or change their program by completing the ‘Program/Specialization/Minor Removal Application Form’ found here: <https://www.mcgill.ca/macdonald/studentinfo/undergrads/forms>.

### Program Requirements

The Undergraduate Programs Calendar (the e-Calendar) is available online and includes a complete description of the Bieler School, its degrees and program requirements ([www.mcgill.ca/study/2023-2024/faculties/environment](http://www.mcgill.ca/study/2023-2024/faculties/environment)). You can also find a full description of the Environment programs on the Bieler School’s website: ([www.mcgill.ca/environment](http://www.mcgill.ca/environment)) where you will find the Complementary courses annotated, to help you know which campus a course is on, and if the course is not being offered this year.

### Pre- or Co-requisites for B.A. Faculty Program in Environment

The B.A. Environment program requires a numeracy course (e.g. Calculus 1) and a basic science course (e.g. Freshman biology, chemistry, or physics). Perhaps you have already completed these. If not, you should take one or both in your Freshman (U0) year. Quebec students take them in their U1 year. If taken exclusively for the purpose of fulfilling this program’s pre- or co-requisite requirement(s), these courses can be taken using the Satisfactory/Unsatisfactory Option. See the e-Calendar for further details: [http://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/undergraduate/qi\\_courses\\_taken\\_under\\_the\\_satisfactory\\_unsatisfactory\\_option](http://www.mcgill.ca/study/university_regulations_and_resources/undergraduate/qi_courses_taken_under_the_satisfactory_unsatisfactory_option).

### Program Components

The B.A. Faculty Program in Environment, the B.Sc. and the B.Sc.(Ag.Env.Sc.) Major in Environment degrees have two components: **Core courses** and **Concentrations**. The B.A.&Sc. Interfaculty Program in Environment has the same Core courses, but no Concentrations. The B.A.&Sc. Interfaculty Program in Sustainability, Science and Society is structured a bit differently (see pages 7 and 27 of this Handbook).

## Core courses (21 credits)

Environment students in all degree programs (B.A.&Sc., B.Arts, B.Sc., or B.Sc.(Ag.Env.Sc.)) take a common set of seven core Environment (ENVR) courses. These courses expose students to different approaches, perspectives, and world views to give them an understanding of the complexity and conflicts that underlie most environmental problems.

The Core courses are offered on both campuses. For ENVR courses only, the Downtown Campus section is labeled **Section 001**, while the Macdonald section is **Section 051**. Registering in the wrong section will cause problems for assignments and at exam time, so students must be careful.

<b>First Year Courses (U1)</b>	<b>These courses do not need to be taken in sequence. They are available on both campuses, in different terms. The 200-level courses are prerequisites for ENVR 301. ENVR 301 is a prerequisite for ENVR 401. ENVR 203 is a prerequisite for ENVR 400.</b>
ENVR 200 The Global Environment	A systems approach to study the different components of the environment involved in global climate change: the atmosphere, biosphere, hydrosphere, and lithosphere. The interactions among these components. Their role in global climate change. The human dimension to global change.
ENVR 201 Society, Environment and Sustainability	An introduction to human societies and their relations with the biophysical environment, focusing on how economy, technology, and institutions interact to give rise to environmental problems. Analytical treatment of key concepts from distinct disciplinary perspectives in the social and life sciences, including "carrying capacity", "renewable resources", "environmental equity", and "sustainability".
ENVR 202 The Evolving Earth	Formation of the Earth and the evolution of life. How geological and biological change are the consequence of history, chance, and necessity acting over different scales of space and time. General principles governing the formation of modern landscapes and biotas. Effects of human activities on natural systems.
ENVR 203 Knowledge, Ethics and Environment	Introduction to cultural perspectives on the environment: the influence of culture and cognition on perceptions of the natural world; conflicts in orders of knowledge (models, taxonomies, paradigms, theories, cosmologies), ethics (moral values, frameworks, dilemmas), and law (formal and customary, rights and obligations) regarding political dimensions of critical environments, resource use, and technologies.
<b>Second Year Course (U2)</b>	
ENVR 301 Environmental Research Design	(Restricted to students in <b>U2 or higher</b> . <b>Prerequisites: ENVR 200, ENVR 201, ENVR 202, ENVR 203</b> ) Techniques used in design and completion of environmental research projects. Problem definition, data sources and use of appropriate strategies and methodologies. Principles underlying research design are emphasized, including critical thinking, recognizing causal relationships, ideologies and bias in research, and when and where to seek expertise.
<b>Final Year Courses (U3)</b>	<b>These courses are taken in U3 only.</b>
ENVR 400 Environmental Thought	(Restricted to students in <b>U3 or higher</b> . <b>Prerequisite: ENVR 203</b> ) Students work in interdisciplinary seminar groups on challenging philosophical, ethics, scientific and practical issues. They will explore cutting-edge ideas and grapple with the reconciliation of environmental imperatives and social, political, and economic pragmatics. Activities include meeting practitioners, attending guest lectures, following directed readings, and organizing, leading and participating in seminars.
ENVR 401 Environmental Research	(Restricted to <b>U3 students in their final fall term</b> . <b>Prerequisite: ENVR 301 and Statistics</b> ) Students work in an interdisciplinary team on a real-world research project involving problem definition, methodology development, social, ethical and environmental impact assessment, execution of the study, and dissemination of results to the research community and to the people affected.

## **Concentrations (Complementary) Courses (33 to 45 credits)**

Concentrations (or Domains as they were previously known) are thematic areas that bring together several related fields to examine a particular aspect of the environment in an interdisciplinary way. Students should choose a Concentration in their first year (U1 year). Depending on the Concentration you choose, you will take courses totalling between 33 and 45 credits which will form the bulk of your Environment program. While Concentrations are interdisciplinary, they are also focused, ensuring that students graduate with a strong foundation of knowledge in that aspect of the environment. There are different Concentrations available in the different degree programs.

### **Concentrations available for the B.A. Faculty Program**

- Ecological Determinants of Health in Society
- Economics and the Earth's Environment
- Environment and Development

### **Concentrations available for the B.Sc. and B.Sc. (Ag.Env.Sc.) Major Program**

- Biodiversity and Conservation
- Ecological Determinants of Health (Cellular, and Population streams)
- Environmetrics
- Food Production and Environment
- Land Surface Processes and Environmental Change
- Renewable Resource Management
- Water Environments and Ecosystems (Biological, and Physical streams)

### **Concentrations (additional) available for the B.Sc. Major Program only**

- Atmospheric Environment and Air Quality
- Earth Sciences and Economics

### **Concentrations available for the B.A.&Sc. Interfaculty Programs**

There are NO concentrations associated with either the B.A.&Sc. Interfaculty Program in Environment, or the BA&Sc Interfaculty Program in Sustainability, Science and Society. Instead, their 27-33 credits of Complementary courses are structured around a number of "special areas" and are combined with a Minor program in a second discipline. The Sustainability, Science and Society program is offered jointly with the Department of Geography. For questions related to it, students should contact the Academic Adviser for that program: Ms Michelle Maillet ([advisor.geog@mcgill.ca](mailto:advisor.geog@mcgill.ca)).

### **Registration in Concentrations**

Most of our programs require that you follow an area of specialization called a Concentration. However, you do not need to choose a Concentration right away. It can be changed if you decide on a different direction along the way.

Each of the Concentrations is listed as a separate "Concentration" on Minerva. From the Minerva menu where you choose a Major, select Continue until you see a page with Concentrations. Students in the Faculty of Ag.Env.Sc. must add or change their Concentration by completing the 'Program/Specialization/Minor Removal Application Form' found here: <https://www.mcgill.ca/macdonald/studentinfo/undergrads/forms>.

Note that if you are in either of the BA&Sc Interfaculty Programs, you do not choose a Concentration.

## How to Decide on Which Concentration to Choose?

Most Concentrations include courses offered on both of McGill's campuses but tend to be focused on one or other campus, depending on the area being studied. For example, Nutrition is studied largely at the Macdonald campus, while Atmospheric Science is downtown. Regardless of which campus most of your courses are on, with some careful planning, there is enough flexibility to allow you to spend one or two semesters on the other campus if you wish. The following table is intended to help you choose the Concentration which most closely matches your personal and career interests.

Your Area of Interest	Degree	Concentrations
Human health	<ul style="list-style-type: none"> <li>• B.A.</li> <li>• B.Sc. and</li> <li>• B.Sc.(Ag.Env.Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>• Ecological Determinants of Health</li> </ul>
International development	<ul style="list-style-type: none"> <li>• B.A.</li> </ul>	<ul style="list-style-type: none"> <li>• Environment and Development</li> <li>• Ecological Determinants of Health in Society</li> </ul>
Economics and mineral / fossil resources	<ul style="list-style-type: none"> <li>• B.A. and</li> <li>• B.Sc.</li> </ul>	<ul style="list-style-type: none"> <li>• Economics and the Earth's Environment</li> <li>• Earth Sciences and Economics</li> </ul>
Conservation and management	<ul style="list-style-type: none"> <li>• B.Sc. and</li> <li>• B.Sc.(Ag.Env.Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>• Biodiversity and Conservation</li> <li>• Renewable Resource Management</li> <li>• Water Environments &amp; Ecosystems</li> </ul>
Modeling and statistics	<ul style="list-style-type: none"> <li>• B.Sc. and</li> <li>• B.Sc.(Ag.Env.Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>• Environmetrics</li> <li>• Water Environments &amp; Ecosystems (Physical stream)</li> </ul>
Agriculture	<ul style="list-style-type: none"> <li>• B.Sc. and</li> <li>• B.Sc.(Ag.Env.Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>• Food Production and Environment</li> <li>• Renewable Resource Management</li> </ul>
Water resources and environments	<ul style="list-style-type: none"> <li>• B.Sc. and</li> <li>• B.Sc.(Ag.Env.Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>• Water Environments and Ecosystems</li> </ul>
Global change and pollution	<ul style="list-style-type: none"> <li>• B.Sc. and</li> <li>• B.Sc.(Ag.Env.Sc.)</li> </ul>	<ul style="list-style-type: none"> <li>• Atmospheric Environment and Air Quality</li> <li>• Land Surface Processes and Environmental Change</li> <li>• Water Environments and Ecosystems</li> </ul>
Liberal Arts and Science	<ul style="list-style-type: none"> <li>• B.A.&amp;Sc.</li> </ul>	<ul style="list-style-type: none"> <li>• No concentrations. See the Program Adviser to select a coherent series/set of courses.</li> </ul>



## ***Honours Program***

### **Honours Environment (Arts, Science, B.A.&Sc. degree, Ag.Env.Sc.)**

This program is open to students in the B.Sc. Major in Environment, B.Sc.(Ag.Env.Sc.) Major in Environment, B.A. Faculty Program in Environment, the B.A.&Sc. Interfaculty Program in Environment, and the B.A.&Sc. Interfaculty Program in Sustainability, Science and Society.

Honours students in the Interfaculty Programs, and in the B.A. Faculty Program in Environment must also complete a Minor outside their Environment program (see Section 5 of this Handbook).

The Honours Program offers students the opportunity to undertake a year-long research project in close association with a professor. Honours research provides excellent preparation for graduate studies but is not necessarily required for such studies. The Honours program **adds 6 credits of research to the regular program** and is carried out in a student's U3 year. It takes no longer to complete your degree; you simply have 6 fewer credits of electives. If a student cannot complete the Honours requirements, they can still graduate from the regular program.

To be eligible for Honours, students must satisfy certain GPA requirements (cumulative GPA >3.0; program GPA >3.3. First Class Honours is awarded to students with a final CGPA >3.5 and a PGPA >3.3). Interested students should contact Kathy Roulet for further information.

A full description of the Environment Honours program can be found at:

<https://www.mcgill.ca/environment/programs/bieler-school-environment-courses/undergraduate-programs/honours>.

### **Joint Honours Program (Arts students only)**

A Joint Honours program is available to Environment students in the Faculty of Arts. This is done in conjunction with another Arts discipline also having a Joint Honours program component. Students must register for both Joint Honours program components and consult advisers in both departments. The Environment program component is not associated with a Concentration and is not required to be done in conjunction with a Minor. See [www.mcgill.ca/study/faculties/environment/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment](http://www.mcgill.ca/study/faculties/environment/undergraduate/programs/bachelor-arts-ba-joint-honours-component-environment) for more information.

## **Section 3: How to Decide Which Courses to Take**

### ***The Order of Study***

#### **U1 First Year (200-level courses)**

During your U1 year, you will choose a Concentration. The first-year of the Environment program consists of the four Core courses, ENVR 200, 201, 202 and 203 (12 credits), plus some additional courses taken from Concentration requirements. Some courses could also be taken as electives, or towards a Minor program.

#### **U2 Second Year (300- and some 400-level courses)**

In U2, you will take ENVR 301, Complementary courses for your Concentrations, and Minor (if that applies), plus electives.

#### **U3 Third Year (400-level courses, possibly one 500-level course per semester)**

In your third and final year, you complete your Concentrations's Complementary courses, and take the two senior Core courses (ENVR 400 and 401). In these courses, students work in teams to address specific, contemporary environmental problems. You may also take electives, or courses to complete a second program (e.g. a Minor).

A full course load is 15 credits (5 courses) per semester. Senior students can take 500-level courses but should restrict themselves to one such course per semester.

### ***Important Note Related to Course Conflicts***

The Environment programs comprise courses from dozens of departments and units across the university. As a result, course conflicts may occur. Your adviser will help you find options to these schedule conflicts if and when they happen. Most times though, through careful planning (two or three terms ahead) and trying as best you can to take courses in their proper sequence, schedule conflicts can be minimized AND you will be able to take the courses *you want* in your last year rather than the courses you must take because they are the only ones “that fit”.

### ***Registering for Your U1 Courses***

The ENVR 200-level courses serve as important pre-requisites for some of the 300 level and 400 level courses in departments outside of the Bieler School (for example, for some geography and biology courses). For this reason, and because they are the Core courses for your Environment program, you must take these in your first year. In addition, your other choices will depend on 1) your Concentration, and 2) whether you are a “downtown” student or a “Mac” student. In all cases, you should at this early stage, look ahead and ask yourself which courses you want to take in your U2 and U3 years. You will need to prepare for those now by taking their pre-requisites in a certain order.

There are a couple of important tools related to course registration that you will want to become familiar with:

1. Minerva for Students ([www.mcgill.ca/students/courses](http://www.mcgill.ca/students/courses)) including a tutorial video which can be viewed by following the link shown at: [www.mcgill.ca/students/courses/add](http://www.mcgill.ca/students/courses/add). Here, you will find the Class Schedule (including information such as instructor’s name, class size, class location, days, times, CRN #) and an explanation of how to find and register for your courses. Note that the Bieler School of Environment courses are listed under ENVR for Environment.
2. Visual Schedule Builder (<https://vsb.mcgill.ca>) – enter the courses you are thinking about taking, to see if they make a conflict-free schedule, and to look at different scheduling options and patterns.

Occasionally, courses get rescheduled or relocated in the first week of class, especially if enrolment is higher or lower than expected, so check Minerva again at the start of the semester.

To help you see your way through the Required and Complementary courses, pre-requisites etc., the tables on the following pages (pages 11 through 25) have been developed for the different Concentrations. (Courses that are considered Mac courses are shown on the Bieler School’s website (<https://www.mcgill.ca/environment/programs/bieler-school-environment-courses/undergraduate-programs>) with an (M) beside them.)

## Atmospheric Environment & Air Quality Concentration

Suggested U1 courses are provided in the table below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). Students can take ENVR and Complementary courses on either campus. ENVR courses offered on the Mac [M] campus are [section 051](#) and ENVR courses offered downtown [Dt] are [section 001](#).

<b>Atmospheric Environment &amp; Air Quality Faculty of Science students only</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
ATOC 214 (PR for ATOC 215 and ATOC 315) <b>concentration required course</b>	ATOC 215 (PR: ATOC 214; <b>concentration required course</b> )
GEOG 308 (CR: GEOG 201) <b>concentration required course</b>	ATOC 219 or CHEM 219 ( <b>concentration required course</b> )
comp courses -- ECON 225, COMP 208 (CR: MATH 141 + MATH 133), NRSC 333	MATH 222 (PR for ATOC 315 and CHEM 273) - - <i>alternate</i> is AEMA 202 [M]) ( <b>also in fall and summer</b> )
CHEM 267 or FDSC 213 [M] (program course) CHEM 213 (PR for CHEM 273)	MATH 203 or AEMA 310 [M] or equivalent (MATH 203 <b>also in fall and in summer</b> ; AEMA 310 <b>also in fall</b> )
AEMA 202 [M] (PR for ATOC 315) -- <i>alternate</i> is MATH 222)	Comp courses – ANTH 206, RELG 270, CIVE 225 (CR: MATH 203), MATH 315 (PR: MATH 222 + CR: MATH 133)
GEOG 201 (CR for GEOG 308)	Comp course -- COMP 208 (CR: MATH 141 + MATH 133)
MATH 133 (CR or PR for several, including COMP 208, MATH 223, MATH 315) <b>also in winter</b>	MATH 223 (PR: MATH 133) <b>also in fall</b>

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Earth Sciences & Economics Concentration

Suggested U1 courses are provided in the table below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). Students can take ENVR and Complementary courses on either campus. ENVR courses offered on the Mac [M] campus are [section 051](#) and ENVR courses offered downtown [Dt] are [section 001](#).

<b>Earth Sciences &amp; Economics Faculty of Science students only</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
ECON 230 D1 <b>concentration required course</b> and PR for ECON courses and AGECE 333	ECON 230 D2 <b>concentration required course</b>
EPSC 210 <b>concentration required course</b> and PR for EPSC 212	EPSC 212 <b>concentration required course</b> (PR: EPSC 210) and PR for EPSC 355 →)
EPSC 220 <b>concentration required course</b>	comp courses – GEOG 305 (PR: GEOG 203 ♦), ECON 313
MATH 203 or GEOG 202 or AEMA 310 [M] or equivalent (MATH 203 <b>also in winter and in summer</b> ; AEMA 310 <b>also in winter</b> )	ECON 209 (PR: microeconomics) and PR for ECON 326, 347 and 511 -- <b>also in fall and in summer</b>
@ EPSC 240 <b>concentration required course</b> and PR for EPSC 331 and EPSC 341	
Comp course -- GEOG 201 ( <i>alternate</i> is ENVB 529 [M] in U3 fall)	
ENVB 210 [M] ( <i>alternate</i> PR for SOIL 315 [M] and SOIL 535 [M])	

→ EPSC 355 (to be taken in U2) is offered in alternate academic years (e.g. Winter 2025, 2027 etc.)

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and GEOG 322 (U2 fall)

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

@ Pre-requisites for EPSC 240 are waived for Environment students in this Concentrations

## Biodiversity & Conservation Concentration

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [Dt] courses for B.Sc. students, and Macdonald campus [M] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are [section 051](#) and ENVR courses offered downtown are [section 001](#).

<b>Biodiversity &amp; Conservation (Faculty of Science)</b>	
Fall 2023	Winter 2024
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
MATH 203 (as substitute for BIOL 373) also offered in winter and in summer	CHEM 212 (CR for BIOL 200) also in fall
comp courses – ECON 225, ECON 208 or AGECE 200 [M] ( PR for AGECE 333); ECON 208 also in winter and summer	BIOL 205 (CR: BIOL 201; PR for BIOL 304, 335, 350, 355)
	comp course -- ANTH 339 (PR: ENVR 201 or 203)
GEOG 216 (PR for GEOG 408 and 410 ♦)	BIOL 201 (PR: BIOL 200; CR for BIOL 205)
BIOL 200 (PR: BIOL 112, CR: CHEM 212; PR for BIOL 201, BIOL 202 and BIOL 205)	BIOL 202 (PR: BIOL 200; PR for BIOL 324 and ANSC 326)
BIOL 206 ▣ (PR: BIOL 111; PR for BIOL 331, BIOL 432 and BIOL 441)	comp course - GEOG 321 (PR: GEOG 203 ♦ )
LSCI 204 [M] (alternate to BIOL 202; PR for BIOL 324 and ANSC 326)	comp course – GEOG 272

<b>Biodiversity &amp; Conservation (Faculty of Ag.Env.Sc.)</b>	
Fall 2023	Winter 2024
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
BIOL 206 ▣ [Dt] (PR: AEBI 120; PR for BIOL 331, BIOL 432 and BIOL 441)	Program courses -- AEBI 211, AEBI 212, ENVB 305
BIOL 200 [Dt] (PR: BIOL 112, CR: CHEM 212 or FDSC 230; PR for BIOL 201, BIOL 202 and BIOL 205)	comp courses – AGRI 340, GEOG 272 [Dt], BREE 217, WILD 307, ECON 208 [Dt] (PR for AGECE 333) (also in fall and summer)
AEMA 310 (also in winter)	FDSC 230 (CR for BIOL 200, LSCI 211) fall also
GEOG 216 [Dt] (PR for GEOG 408 and 410 ♦)	BIOL 201 [Dt] (PR: PR; CR for BIOL 205)
comp courses – ENTO 330, AGECE 200 (PR for AGECE 333)	BIOL 205 [Dt] (CR: BIOL 201; PR for BIOL 304, 342, 335, 350, 355, 427)
LSCI 204 (alternate to BIOL 202; PR for BIOL 324 and ANSC 326)	BIOL 202 [Dt] (PR: BIOL 200; PR for BIOL 324)

♦ re: GEOG 216 -- students may also be admitted to GEOG 408 and GEOG 410 with permission of instructor instead of GEOG 216

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 321 (U1 winter) and GEOG 322 (U2 fall)

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

▣ re: BIOL 206 -- ENVR 200, ENVR 202 plus Statistics may satisfy the pre-reqs for BIOL 331, 432 and 441 (to be sure in your case, check the Biology website, and with the instructor of the course)

## Ecological Determinants of Health Concentration – Cellular Stream

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [Dt] courses for B.Sc. students, and Macdonald campus [M] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are [section 051](#) and ENVR courses offered downtown are [section 001](#).

<b>Ecological Determinants of Health – Cellular B.Sc. Students</b>	
Fall 2023	Winter 2024
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
BIOL 200 (program course; PR: BIOL 112, CR: CHEM 212); PR for lots, incl BIOL 201, 202, PHAR 300 and 303, MIMM 214; CR for PHGY 209	BIOL 201 (PR: BIOL 200; program course and PR for PHAR 300, alt PR for PHAR 303, CR for MIMM 214, CR for PHGY 210)
comp courses -- MIMM 211 (PR for MIMM 324); NUTR 207 [M] (PR: BIOL 112, CR: CHEM 212)	PHGY 210 (CR: BIOL 200, BIOL 201 and CHEM 212; PR for PHAR 300, PHAR 303)
Φ CHEM 212 (CR for BIOL 200, CR for PHGY 209, PHGY 210 and NUTR 207) also in winter	comp courses -- BIOL 202 (PR: BIOL 200); SOCI 309, SOCI 234 (and PR for SOCI 331), GEOG 321 (PR: GEOG 203 ♦)
PHGY 209 (CR: BIOL 200 and CHEM 212; comp course + PR for PHAR 300 and PHAR 303)	comp courses – PSYC 342; MIMM 214 (PR: BIOL 200, CR: BIOL 201; PR for MIMM 314)
GEOG 201 (alternate PR for GEOG 303)	Φ BIOL 112 (PR for NUTR 207)
MATH 203 or equivalent (also in winter and summer)	comp course -- BIOL 202 (PR: BIOL 200) alternate is LSCI 204 [M]

<b>Ecological Determinants of Health – Cellular B.Sc. (Ag.Env.Sc.) Students</b>	
Fall 2023	Winter 2024
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
comp course -- LSCI 204 (and PR for ANSC 400)	Φ AEBI 122 (PR for NUTR 207)
Φ FDSC 230 (CR for BIOL 200 and LSCI 211; CR for PHGY 209, PHGY 210, and NUTR 207) also in winter	LSCI 202 (PR: LSCI 211; PR for PARA 438, ANSC 323); LSCI 230 (PR for MICR 341)
comp courses (both also in winter) – LSCI 211 (CR: FDSC 230; PR for ANSC 234, LSCI 202); AEMA 310	comp courses -- BREE 217; ANSC 234 (PR: LSCI 211; PR for ANSC 323 and 433); ANSC 312 (PR: ANSC 250 or ANSC 323 or PHGY 209)
comp courses – NRSC 333; NUTR 207 (PR: AEBI 122, CR: FDSC 230)	

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 321 (U1 winter) and GEOG 322 (U2 fall)

Φ Organic chemistry is required in this concentrations, in order to complete the Molecular Biology, and Cell Biology requirements; BIOL 112 or AEBI 122 is required in order to take NUTR 207.

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Ecological Determinants of Health Concentration – Population stream

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (**PR**) and co-requisites (**CR**) for Required or Complementary courses, and Complementary courses (**comp**) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [**Dt**] courses for B.Sc. students, and Macdonald campus [**M**] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are **section 051** and ENVR courses offered downtown are **section 001**.

<b>Ecological Determinants of Health – Population (B.Sc. Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
	Φ <b>BIOL 112</b> (PR for NUTR 207)
comp courses – ANTH 212, PHIL 343	BIOL 201 (PR: BIOL 200; program course + alt PR for PHAR 303, alt CR for PHGY 210)
BIOL 200 (program course; PR: BIOL 112, CR: CHEM 212; PR for lots, including BIOL 201, 202, PHAR 303; CR for PHGY 209 and 210)	comp courses – MIMM 214 (PR: BIOL 200, CR: BIOL 201); SOCI 234 and SOCI 254 (and alternate PRs for SOCI 331); SOCI 309; BIOL 202 (PR: BIOL 200); GEOG 321 (PR: GEOG 203 ♦)
comp course -- GEOG 201 (alternate is ENVB 529 [M] in U3)	ECON 208 (comp + PR for others) <b>also fall and summer</b>
PHGY 209 (CR: BIOL 200 and CHEM 212; PR for PHAR 303)	Φ <b>CHEM 212</b> (CR for BIOL 200, PR for NUTR 207) <b>also in fall</b>
MATH 203 or equivalent ( <b>also in winter and summer</b> )	PHGY 210 (CR: BIOL 200, BIOL 201 and FDSC 230; PR for PHAR 303)

<b>Ecological Determinants of Health – Population - B.Sc.(Ag.Env.Sc.)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
comp course -- GEOG 201 [Dt] (alternate is ENVB 529 [M] in U3)	LSCI 202 (PR: LSCI 211; PR for PARA 438)
LSCI 204 (CR: LSCI 211; PR for ANSC 400) comp course	Φ <b>AEBI 122</b> (PR for NUTR 207)
comp courses – NRSC 333; AGEC 200 (and PR for AGEC 333); NUTR 207 (PR: AEBI 122, CR: FDSC 230, CR for NUTR 341)	LSCI 211 (CR: FDSC 230; program course + PR for ANSC 234, LSCI 202) Φ <b>FDSC 230</b> (PR for NUTR 207; CR for LSCI 211) LSCI 211 and FDSC 230 <b>also in fall</b>
AEMA 310 or equivalent ( <b>also in winter</b> )	comp courses -- AGRI 340; BREE 217; ANSC 312 (PR: ANSC 250 or ANSC 323 or PHGY 209); ANSC 234 (PR: LSCI 211)

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 321 (U1 winter) and GEOG 322 (U2 fall)

Φ Organic chemistry is required in this concentration, in order to complete the Molecular Biology, and Cell Biology requirements; BIOL 112 or AEBI 122 is required in order to take NUTR 207.

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Environmetrics Concentration

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [Dt] courses for B.Sc. students, and Macdonald campus [M] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are [section 051](#) and ENVR courses offered downtown are [section 001](#).

<b>Environmetrics (B.Sc. Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
comp course -- MATH 223 (PR: MATH 133 or BREE 103) also in winter and summer	comp course -- GEOG 305 (PR: GEOG 203 ♦)
GEOG 201 (program course; alternate is ENVB 529 [M] in U3)	AEMA 310 [M] (stats course for Option #2 and PR for AEMA 411, AEMA 414, and ENVB 506) also offered in fall
MATH 323 (PR: MATH 141; for Option #1 and PR for MATH 324 and MATH 447Ω) also in winter and summer	MATH 324 (PR: MATH 323; for Option #1) also in fall

<b>Environmetrics (B.Sc. (Ag.Env.Sc.) Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
comp courses -- ENVB 210, BREE 252, NRSC 333	comp course -- BREE 217 (alternate is GEOG 322 in U2 fall)
comp course -- MATH 223 [Dt] (PR: MATH 133 or BREE 103) also in winter and summer	ENVB 305 (program course + PR for ENVB 506) alternate is BIOL 308 [Dt] in U2
MATH 323 [Dt] (PR: MATH 141; for Option #1 and PR for MATH 324 and MATH 447Ω) also in winter and summer	MATH 324 [Dt] (PR: MATH 323; for Option #1) also in fall
AEMA 310 (stats course for Option #2 + PR for AEMA 411, AEMA 414, and ENVB 506) also offered in winter	AEBI 212 (PR for ENVB 313)

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and GEOG 322 (U2 fall)

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

Ω students wishing to take MATH 423 or MATH 447 from List 1, should choose Statistics Option #1 (ie. MATH 323 + 324)



## Food Production and Environment Concentration

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [Dt] courses for B.Sc. students, and Macdonald campus [M] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are [section 051](#) and ENVR courses offered downtown are [section 001](#).

<b>Food Production &amp; Environment (B.Sc. Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
MATH 203 or equivalent (also in winter and summer)	AGRI 340 [M] concentration required course
CHEM 212 (concentration co-requisite course; CR for BIOL 200; PR for NUTR 207[M]) also winter	BIOL 112 (concentration co-requisite course and PR for NUTR 207)
AEBI 210 [M] (concentration required course + PR for PLNT 300)	comp courses: SOCI 254; GEOG 305 (comp course; PR: GEOG 203 ♦)
BIOL 200 (CR: PR: BIOL 112, CHEM 212; PR for BIOL 201, BIOL 202, alt PR for PHGY 209 and PHAR 303)	BIOL 202 (PR: BIOL 200; program course) alternate is LSCI 204 [M]
GEOG 216 (PR for GEOG 410 ♦)	BIOL 201 (alt PR for PHAR 303)
PHGY 209 (CR: BIOL 200 and CHEM 212; PR for PHAR 303)	PHGY 210 (PR: BIOL 200, BIOL 201 and CHEM 212; PR for PHAR 303)
comp courses -- ANSC 250 [M]; ECON 225; PLNT 302; PLNT 307; GEOG 201; NUTR 207 [M] (CR: CHEM 212, PR: BIOL 112)	ECON 208 (+ PR for AGECE courses); ECON 208 also in fall and summer

<b>Food Production &amp; Environment (B.Sc. (Ag. Env. Sc.) Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
AEMA 310 or equivalent (also in winter)	AGRI 340 concentration required course
AEBI 210 (concentration required course + PR for PLNT 300) LSCI 204 (program course) alternate is BIOL 202 [Dt]	FDSC 230 (concentration co-req course + CR for LSCI 211 and BIOL 200; PR for NUTR 207) also fall
BIOL 200 [Dt] (if needed as PR for comp courses)	comp courses -- ENVB 305 and BREE 217
AGEC 200 (PR for AGECE 320, 333, 430, 442)	LSCI 211 (CR: FDSC 230; concentration co-req course) also in fall
comp courses -- ENVB 210 (alt PR for SOIL 315); ANSC 250; NRSC 333; BREE 322; FDSC 200; PLNT 302; PLNT 307; NUTR 207 (CR: FDSC 230, PR: AEBI 122)	LSCI 230 (PR for FDSC 535); AEBI 122 (PR for NUTR 207)

♦ re: GEOG 216 -- students may also be admitted to GEOG 410 with permission of instructor instead of GEOG 216

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and GEOG 322 (U2 fall)

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Land Surface Processes and Environmental Change Concentration

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [Dt] courses for B.Sc. students, and Macdonald campus [M] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are [section 051](#) and ENVR courses offered downtown are [section 001](#).

<b>Land Surface Processes and Environmental Change B.Sc. Students</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
GEOG 203 [Dt] (concentration required course) and alternate PR for GEOG 305, GEOG 321 and 322 ♦	
ATOC 214 (PR for ATOC 215) MATH 222 (PR for ATOC 315) also in winter	comp courses – ANTH 339 (PR: ENVR 201 or 203); ENVB 305 [M]; GEOG 272; GEOG 305 and 321 (PR: GEOG 203 ♦)
MATH 203 or GEOG 202 comp courses (MATH 203 also in winter and summer)	ATOC 215 (PR: ATOC 214)
comp courses -- ECON 225; GEOG 201 (and CR for GEOG 308)	ECON 208 (PR for AGECE 333, ECON 326) (also offered in fall term)

<b>Land Surface Processes and Environmental Change B.Sc. (Ag.Env.Sc.) Students</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
GEOG 203 [Dt] (concentration required course) and alternate PR for GEOG 305, GEOG 321 and 322 ♦	
AEMA 202 (PR for ATOC 315)	AEMA 310 (statistics requirement) also in fall
comp courses -- ENVB 210 (and PR for SOIL 315); GEOG 201 [Dt] and CR for GEOG 308	comp courses -- BREE 217, ENVB 305, GEOG 272 [Dt] and GEOG 321 [M] (PR: GEOG 203 ♦)
AGECE 200 (PR for AGECE 333, ECON 326)	

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 and GEOG 321 (U1 winter), and GEOG 322 (U2 fall)

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Renewable Resource Management Concentration

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (**PR**) and co-requisites (**CR**) for Required or Complementary courses, and Complementary courses (**comp**) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [**Dt**] courses for B.Sc. students, and Macdonald campus [**M**] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are **section 051** and ENVR courses offered downtown are **section 001**.

<b>Renewable Resource Management (B.Sc. Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
comp course -- GEOG 201 (alternate is ENVB 529 [M] in U3 fall)	comp courses -- GEOG 305 (PR: GEOG 203 ♦); RELG 270; ANTH 339 (PR: ENVR 201 or 203)
AEMA 310 [M] or equivalent (AEMA 310 also offered in winter)	CHEM 212 (concentration co-requisite course) also in fall
ECON 208 (PR for AGECE 333 or ECON 405; also in winter and summer)	BIOL 112 (concentration co-requisite course)

<b>Renewable Resource Management (B.Sc. (Ag.Env.Sc.) Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
	comp course -- ENVB 305 (alternate is BIOL 308 [Dt] in U2 fall)
LSCI 211 (concentration co-requisite course; CR: FDSC 230) also in winter	comp course -- BREE 217 (alternate is GEOG 322 [Dt] in U2 fall)
comp courses -- AEBI 210 (alternate is AEBI 211); NRSC 333; WILD 307	comp course -- AEBI 211 (alternate is AEBI 210)
comp course -- ENVB 210 (alternate is GEOG 305 [Dt])	comp course -- AEMA 310 also offered in fall
AGECE 200 (PR for AGECE 333 or ECON 405)	FDSC 230 (concentration co-requisite course, CR for LSCI 211) also in fall

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and GEOG 322 (U2 fall)  
 § re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Water Environments & Ecosystems Concentration – Biological stream

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [Dt] courses for B.Sc. students, and Macdonald campus [M] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are [section 051](#) and ENVR courses offered downtown are [section 001](#).

<b>Water Environments &amp; Ecosystems – Biological B.Sc. Students</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
ATOC 214 (concentration required course)	ATOC 215 [Dt] (concentration required course, PR: ATOC 214)
comp course -- GEOG 202 or MATH 203 (MATH 203 also offered in winter and summer)	comp course -- GEOG 305 (PR: GEOG 203 ♦)
BIOL 206 ▣ (PR: BIOL 111; PR for BIOL 432 and BIOL 441)	comp course -- ANTH 339 (PR: ENVR 201 or ENVR 203)
comp courses -- GEOG 201 (+ CR for GEOG 308); GEOG 308 (CR: GEOG 201)	ECON 208 (PR for AGECE 333) also in fall and summer
comps -- CHEM 267, ECON 225, EPSC 220	comp course -- ATOC/CHEM 219

<b>Water Environments &amp; Ecosystems - Biological B.Sc. (Ag. Env. Sc.) Students</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
comp courses -- AEMA 310 (also in winter); CHEM 267 [Dt]; ENVB 210 (+ PR for SOIL 535)	AEBI 211 (PR for WILD 302)
ATOC 214 [Dt] (concentration required course)	ATOC 215 [Dt] (concentration required course, PR: ATOC 214)
BIOL 206 ▣ [Dt] (PR: AEBI 120; PR for BIOL 432 and BIOL 441); AGECE 200 (PR for AGECE 333)	comp courses -- ENVB 305 (alternative is BIOL 308 [Dt] in U2 fall); BREE 217 (alternative is GEOG 322 [Dt] in U2 fall); ATOC/CHEM 219 [Dt]

- ♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and GEOG 322 (U2 fall)
- § re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301
- ▣ re: BIOL 206 -- ENVR 200, ENVR 202 plus Statistics may satisfy the pre-reqs for BIOL 432 and 441 (to be sure in your case, check the Biology website, and with the instructor of the course)

## Water Environments & Ecosystems Concentration – Physical stream

Suggested U1 courses are provided in the tables below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for Required or Complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). For simplicity, the tables suggest Downtown campus [Dt] courses for B.Sc. students, and Macdonald campus [M] courses for B.Sc.(Ag.Env.Sc.) students, however, students can take ENVR and comp courses on either campus. ENVR courses offered on the Mac campus are [section 051](#) and ENVR courses offered downtown are [section 001](#).

<b>Water Environments &amp; Ecosystems – Physical (B.Sc. Students)</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
comp course -- GEOG 202 or AEMA 310 [M] or MATH 203 (AEMA 310 also in winter)	MATH 203 (also in fall and summer)
ATOC 214 concentration required course + PR for ATOC 215	ATOC 215 (PR: ATOC 214) concentration required course
comp courses -- GEOG 201 (and CR for GEOG 308); GEOG 308 (CR: GEOG 201)	
BIOL 206 ▣ (PR: BIOL 111; PR for BIOL 432 and 441)	comp course -- GEOG 305 (PR: GEOG 203 ♦)
MATH 133 (recommended CR for MATH 222) also offered in winter	MATH 222 (alternate is AEMA 202 [M]) -- PR for required course MATH 315) also in fall and summer

<b>Water Environments &amp; Ecosystems – Physical B.Sc. (Ag. Env. Sc.) Students</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
ATOC 214 [Dt] (PR for ATOC 215) concentration required course	ATOC 215 [Dt] (PR: ATOC 214) concentration required course and PR for ATOC 309
BIOL 206 ▣ [Dt] (PR: AEBI 120; PR for BIOL 432 and BIOL 441)	AEBI 211 (PR for WILD 302)
comp course -- GEOG 202 or AEMA 310 [M] or MATH 203 (AEMA 310 also in winter)	comp courses -- ENVB 305 (alternate is BIOL 308 [Dt] in U2 fall); BREE 217 (alternate is GEOG 322 [Dt] in U2 fall)
comp courses -- GEOG 201 [Dt] (+ CR for GEOG 308); ENVB 210 (+ PR for SOIL 315)	
AEMA 202 (alternate is MATH 222 [Dt] -- PR for required course MATH 315) PR: BREE 103 and AEMA 102	BREE 103 (PR for AEMA 202)

- ♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and GEOG 322 (U2 fall)
- § re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301
- ▣ re: BIOL 206 -- ENVR 200, ENVR 202 plus Statistics may satisfy the pre-reqs for BIOL 432 and 441 (to be sure in your case, check the Biology website, and with the instructor of the course)

## Economics and Earth's Environment Concentration

Suggested U1 courses are provided in the table below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for required or complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). Students can take ENVR and comp courses on either campus, up to a maximum of 30 credits outside the Faculties of Arts and of Science. (Mac courses, excluding ENVR courses offered on the Mac campus, are considered "outside"). See Section 4 for more details. ENVR courses offered on the Mac campus [M] are [section 051](#) and ENVR courses offered downtown [Dt] are [section 001](#).

<b>Economics and the Earth's Environment</b>	
<b>B. Arts Students only</b>	
<b>Fall 2023</b>	<b>Winter 2024</b>
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
MATH 139 program pre-/co-req ▲ (alternate is MATH 140 or CEGEP equivalent), MATH 140 also offered in winter and summer	
CHEM 110 or CEGEP equivalent program pre-/co-req ▲ and PR for EPSC 210	
AEMA 310 [M] or MATH 203 or GEOG 202 or equivalent (MATH 203 and AEMA 310 in winter too, MATH 203 also in summer)	ECON 209 (PR: ECON 208 or AGECE 200; PR for ECON 305, 313, 326, 347, 511) (also in fall and summer)
ECON 230 D1 concentration required course and PR for ECON 305, 313, 326, 347, 511	ECON 230 D2 concentration required course
EPSC 210 (PR: CHEM 110) concentration required course	comp courses – ECON 313; ENVB 305 [M], BREE 217 (alternate is GEOG 322 in U2 fall); GEOG 305 (PR: GEOG 203 ◆)
@ EPSC 240 concentration required course	
comp courses – MIME 320; GEOG 201 (alternate is ENVB 529 [M] in U3 fall)	

▲ the science and numeracy pre-/co-requisites for this program can be taken using the Satisfactory/Unsatisfactory option. See the e-Calendar or ask Kathy Roulet for details.

◆ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and GEOG 322 (U2 fall)

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

@ pre-requisites for EPSC 240 are waived for Environment students in this Concentration

## Environment and Development Concentration

Suggested U1 courses are provided in the table below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for required or complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). Students can take ENVR and comp courses on either campus, up to a maximum of 30 credits outside the Faculties of Arts and of Science. (Mac courses, excluding ENVR courses offered on the Mac campus, are considered "outside"). See Section 4 for more details. ENVR courses offered on the Mac campus [M] are section 051 and ENVR courses offered downtown [Dt] are section 001.

Environment & Development	B. Arts Students only
Fall 2023	Winter 2024
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
MATH 139 (alternative is MATH 140 or CEGEP equivalent) (program co-req ▲ ) MATH 140 also offered in winter and summer	comp courses – ENVB 305 [M]; GEOG 311; INTD 360
BIOL 111 ☐ or CHEM 110 or PHYS 101 or CEGEP equivalents (program co-req ▲ )	ANTH 339 (required concentration course; PR: ENVR 201 or ENVR 203)
comp course -- ECON 208 or AGECE 200 [M] (PR for ECON 209, ECON 313, AGECE 442), ECON 208 also in winter and summer	ECON 209 (PR: microeconomics; PR for ECON 313, 326, 347) (also in fall)
AEMA 310 [M] or MATH 203 or PSYC 204 or GEOG 202 or equivalent (AEMA 310 also in winter, MATH 203 and PSYC 204 also in winter and summer)	comp courses – GEOG 305 (PR: GEOG 203 ◆); BREE 217 [M] (alternate is GEOG 322 in U2 fall);
GEOG 216 [Dt] (PR for GEOG 408 and 410 ◆)	comp course -- ECON 313 (PR: microeconomics)
comp courses -- ENVB 210 [M]; GEOG 201 (alternate is ENVB 529 [M] in U3 fall)	

☐ BIOL 111 is PR for PARA 410, a course that may interest students in this Concentration

▲ the science and math co-requisites for this program can be taken using the Satisfactory/Unsatisfactory option. See the e-Calendar or ask Kathy Roulet for details.





◆ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 305 (U1 winter) and 322 (U2 fall)


◆ re: GEOG 216 -- students may also be admitted to GEOG 408 and GEOG 410 with permission of instructor instead of GEOG 216


§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Ecological Determinants of Health in Society Concentration


Suggested U1 courses are provided in the table below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for required or complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules, even in the same Concentration, will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). Students can take ENVR and comp courses on either campus, up to a maximum of 30 credits outside the Faculties of Arts and of Science. (Mac courses, excluding ENVR courses offered on the Mac campus, are considered "outside"). See Section 4 for more details. ENVR courses offered on the Mac campus [M] are section 051 and ENVR courses offered downtown [Dt] are section 001.

Ecological Determinants of Health in Society	
B. Arts Students only	
Fall 2023	Winter 2024
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
BIOL 111  or CHEM 110 or PHYS 101 or CEGEP equivalents (program co-req  )	CHEM 212 (CR for NUTR 207) also in fall BIOL 112 (PR for NUTR 207)
MATH 139 (alternate is MATH 140 or CEGEP equivalent) (program co-req  ) (MATH 140 also offered in winter and summer)	
comp courses – ANTH 212, ANTH 227, EDKP 204, HIST 249, NRSC 333, PHIL 343, SOCI 225, GEOG 201 (alternate is ENVB 529 in U3 winter [M])	comp course – BREE 217 [M] (alternate is GEOG 322 in U2 fall)
comp course -- ECON 208, ECON 225 or AGECE 200 [M] (ECON 208 also in winter and summer)	comp courses -- ANTH 339 (PR: ENVR 201 or 203); AEBI 211 [M]; AGRI 340 [M], ENVB 305 [M]; RELG 270;
comp courses -- BIOL 200 (PR: BIOL 112, CR: CHEM 212) or LSCI 211 [M] (PR: FDSC 230) or AEBI 210 [M] (LSCI 211 also in winter)	comp courses – SOCI 307; SOCI 309; SOCI 234 and SOCI 254 (+ are alternate PRs for SOCI 365 and SOCI 331)
comp course – NUTR 207 [M] (CR: CHEM 212, PR: BIOL 112) or EDKP 292	comp course -- GEOG 321 (PR: GEOG 203  )
AEMA 310 [M] or MATH 203 or GEOG 202 or equivalent (MATH 203 and AEMA 310 also in winter, MATH 203 in summer as well)	comp course – MIMM 214 (PR: BIOL 200, CR: BIOL 201)

 BIOL 111 is PR for PARA 410, a course that may interest students in this Concentration

 the science and math co-requisites for this program can be taken using the Satisfactory/Unsatisfactory option. See the e-Calendar or ask Kathy Roulet for details.

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

 alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 321 (U1 winter) and GEOG 322 (U2 fall)



## Interfaculty Program in Environment

Suggested U1 courses are provided in the table below. Included are Required courses, important pre-requisites (PR) and co-requisites (CR) for required or complementary courses, and Complementary courses (comp) that are available for you to take in your U1 year. Students' schedules will be different from each others' because of personal preferences of Complementary courses and of campus (for the ENVR courses). Students can take ENVR and a limited number of Complementary courses on either campus although there are limits to how many. See Section 4 for more details. ENVR courses offered on the Mac campus [M] are section 051 and ENVR courses offered on the Downtown campus [Dt] are section 001.

Interfaculty Program in Environment	
B. Arts & Science Students only	
Fall 2023	Winter 2024
§ ENVR 200-001 (or in winter at Mac)	§ ENVR 200-051 (or in fall term Downtown)
§ ENVR 201-001 or ENVR 201-051	§ ENVR 202-001 or ENVR 202-051
§ ENVR 203-051 (or in winter Downtown)	§ ENVR 203-001 (or in fall term at Mac)
AEMA 310 [M] or MATH 203 or GEOG 202 or equivalent (comp course) (AEMA 310 and MATH 203 also in winter, MATH 203 also in summer)	AEMA 310 [M] or MATH 203 or PSYC 204 or equivalent (comp course) (AEMA 310 and MATH 203 also in fall, MATH 203 also in summer)
Area 2: WILD 307 [M] (PR for WILD 350)	Area 1: ENVB 305 [M] (and PR for WOOD 441)
	Area 2:
	Area 4: BREE 217 [M] (alternate is GEOG 322 in U2 fall)
Area 5: BIOL 200 (PR for many courses, including BIOL 201, PATH 300, PHAR 303)	Area 5: BIOL 201 (PR: BIOL 200; CR for BIOL 205, PR for many, including PATH 300, PHAR 303)
Area 6: EPSC 201 (also winter), ATOC 214 (PR for ATOC 215)	Area 6: ATOC 215 (PR: ATOC 214), GEOG 272, GEOG 305 (PR: GEOG 203 ♦); GEOG 321 (PR: GEOG 203 ♦)
Area 7: AGECE 200 [M] or ECON 208 (PR for ECON 209, AGECE 333 [M], ECON 326, ECON 347, ECON 313), ECON 208 also in winter and in summer	Area 7: ECON 209 (PR: ECON 208; PR for ECON 326, ECON 347) also in fall
Area 8: ANTH 212; GEOG 216 [Dt] and PR for GEOG 408 and 410 ♦	Area 8: POLI 227
Area 9:	Area 9: ANTH 206; ANTH 339 (PR: ENVR 201 or ENVR 203)
Area 10: ANTH 227, PHIL 343, SOCI 225	Area 10: SOCI 309
Area 11: PHIL 221 (also in winter), PHIL 348	Area 11: PHIL 237, PHIL 348, RELG 270
Area 12: NRSC 333 [M]	
And Complementary courses for your Minor	And Complementary courses for your Minor

♦ alternatively, for Environment students, ENVR 200 is also an accepted pre-requisite for GEOG 322 (U2 fall), GEOG 305 (U1 winter) and GEOG 321 (U1 winter)

♦ re: GEOG 216 -- students may also be admitted to GEOG 408 and GEOG 410 with permission of instructor instead of GEOG 216

§ re: ENVR 301 -- ENVR 200, ENVR 201, ENVR 202, ENVR 203 are prerequisites for, and must be completed before, ENVR 301

## Section 4: Taking Courses Outside Your Faculty

Environment students may take their courses on either campus. However, the Faculties of Arts, Science, and Ag.Env.Sc. all have restrictions on how many courses students can take in other Faculties.

ENVR courses taken on either campus DO NOT COUNT towards the limits outlined below. In other words, you can take ENVR courses downtown, or at Macdonald, and they will all count towards your “home” Faculty.

Science (B.Sc.) students can take **18 credits maximum** outside Arts and Science. Environment students may exceed the 18 credit limit provided all such courses are for their Environment program. In addition, some courses are restricted and cannot be taken for credit by Science students. Check the list of restricted courses on the web at: <https://www.mcgill.ca/science/undergraduate/handbook#bsc-outside-course-restrictions>.

Arts (B.A.) students can take 30 credits maximum outside Arts and Science.

Bachelor of Arts and Science (B.A.&Sc.) students are restricted to a **maximum of 30 credits** outside of Arts and Science. Of these, no more than 12 credits can be electives.

Students in Agricultural and Environmental Sciences (B.Sc. (Ag.Env.Sc)) must take **at least 2/3 of their course credits** within their Faculty (ie. at Mac).

## Section 5: Minor Programs

### *Minor programs for Environment students*

Students in the Bieler School can choose to do a minor program along with their Environment program. For some, the minor program is a requirement of their degree; for others, the minor program is optional. Students in all programs, except for students in the Faculty of Ag.Env.Sc. can add their Minor themselves over Minerva using the Primary Curriculum menu. Students in the Faculty of Ag.Env.Sc. must complete the ‘Minor Approval Form’ found here: <https://www.mcgill.ca/macdonald/studentinfo/undergrads/forms>.

Environment students in the **B.A.&Sc. Degree (Interfaculty Program Environment)** must complete a Minor, from either the Faculty of Arts or the Faculty of Science. For a full listing, see: [https://www.mcgill.ca/study/2023-2024/faculties/basc/undergraduate/ug\\_basc\\_minor\\_concentrations\\_minors#topic](https://www.mcgill.ca/study/2023-2024/faculties/basc/undergraduate/ug_basc_minor_concentrations_minors#topic).

Environment students in the **B.Arts (Honours Environment)** must complete a Minor. They can choose a Minor from Arts, or Science, or Ag.Env.Sc., or certain Minors in Management.

Arts: [https://www.mcgill.ca/study/2023-2024/faculties/arts/undergraduate/ug\\_arts\\_minor\\_concentrations](https://www.mcgill.ca/study/2023-2024/faculties/arts/undergraduate/ug_arts_minor_concentrations)

Science: [https://www.mcgill.ca/study/2023-2024/faculties/science/undergraduate/ug\\_sci\\_minor\\_programs#topic](https://www.mcgill.ca/study/2023-2024/faculties/science/undergraduate/ug_sci_minor_programs#topic)

Ag.Env.Sc: [https://www.mcgill.ca/study/2023-2024/faculties/macdonald/undergraduate/ug\\_faes\\_minor\\_programs\\_overview](https://www.mcgill.ca/study/2023-2024/faculties/macdonald/undergraduate/ug_faes_minor_programs_overview)

Management: [https://www.mcgill.ca/study/2023-2024/faculties/desautels/undergraduate/ug\\_mgmt\\_minors\\_non\\_management\\_students#topic](https://www.mcgill.ca/study/2023-2024/faculties/desautels/undergraduate/ug_mgmt_minors_non_management_students#topic)

Environment students in the **B.Arts (Faculty Program Environment)** are not required to complete a Minor. However, they can choose to do one, if they wish. They can choose a Minor from Arts, or Science, or Ag.Env.Sc., or certain Minors in Management (see above links).

Environment students in the **B.Arts (Joint Honours Program)** are not required to complete a Minor. However, they can choose to do one, if they wish. They can choose a Minor from Arts, or Science, or Ag.Env.Sc., or certain Minors in Management (see above links).

Environment students in the **B.Science (Major Environment)** are not required to complete a Minor. However, they can choose to do one, if they wish. They can choose a Minor from Arts, or Science, or Ag.Env.Sc., or certain Minors in Management (see above links).

Environment students in the **B.Sc. (Ag.Env.Sc.) (Major Environment)** are not required to complete a Minor. However, they can choose to do one, if they wish. They can choose a Minor from Arts, or Science, or Ag.Env.Sc., or certain Minors in Management (see above links).

## ***Environment Minor program for non-Environment students***

Students in programs outside the Bieler School can take an 18 credit Environment minor program.

Students in Arts, Law, or Management will register in the *Minor Concentration Environment*.

Students in Science, Ag.Env.Sc., or Engineering will register in the *Minor Environment*.

Students completing a minor in Environment take four of the following five ENVR courses: 200, 201, 202, 203, 400 plus two Complementary courses. For the two Complementary courses, it depends on:

1. your Major – neither complementary course can be from the field of your Major discipline. For example, if your Major is Anthropology, neither complementary course can be an ANTH course; and,
2. whether you are in the Minor, or the Minor Concentration. In the Minor, at least one of the two Complementary courses must be a “social sciences/policy” course. In the Minor Concentration, at least one of the two Complementary courses must be a “natural sciences/technology” course. There is a Suggested Course list, divided into these two thematic areas, available in the e-Calendar and on the Bieler School’s website.

## **Section 6: Advising**

### ***Advising (program-related)***

*Although faculty and program advisers are here to help you, you are ultimately responsible for making sure your program requirements are met, and that you choose the right courses to satisfy your degree requirements in a timely manner.*

*To do that you must check your Minerva transcript each semester.*

*\*\*\* Avoid surprises: see your Adviser before or during each registration period and check your transcript.*

Academic advisers do more than check on the courses you are taking. They can help you decide which program, and which courses will most suit your needs and interests, so that you get the most from your education at McGill.

First year Environment students should see the Environment Program Adviser, Kathy Roulet, to discuss their options. If you are not sure which Concentration is right for you, she can help. Contact her at (514) 398-4306 or [kathy.roulet@mcgill.ca](mailto:kathy.roulet@mcgill.ca) or make an appointment (online or in-person) to meet with her at: <https://outlook.office365.com/owa/calendar/MSEAdvising@McGill.onmicrosoft.com/bookings/>.

For questions related to the Interfaculty Program in Sustainability, Science and Society students should contact the Adviser for that program: Michelle Maillet ([advisor.geog@mcgill.ca](mailto:advisor.geog@mcgill.ca)).

## **General Advising (non-Environment program issues)**

### B.Sc. students –

Science Office for Undergraduate Student Advising (SOUSA)  
Dawson Hall (Downtown Campus) Room 405  
[www.mcgill.ca/science/student](http://www.mcgill.ca/science/student)  
Phone: (514) 398-5442

### B.A.&Sc. students –

Science Office for Undergraduate Student Advising (SOUSA)  
Dawson Hall (Downtown Campus) Room 405  
Tania Raggo ([tania.raggo@mcgill.ca](mailto:tania.raggo@mcgill.ca))  
Phone: (514) 398-5442

### B.A. students –

Arts OASIS (Office of Advising & Student Information Services)  
Dawson Hall (Downtown Campus) Room 110  
[www.mcgill.ca/oasis](http://www.mcgill.ca/oasis)  
Phone: (514) 398-1029

### B.Sc. (Ag,Env.Sc.) students –

Faculty of Agricultural and Environmental Sciences Student Affairs Office  
Laird Hall (Macdonald Campus) Room 106  
[www.mcgill.ca/macdonald/studentinfo](http://www.mcgill.ca/macdonald/studentinfo)  
Phone: (514) 398-7925

## **Student Wellness Hub**

McGill offers a wide range of services to support students' academic success, and physical and mental well-being.

[www.mcgill.ca/wellness-hub](http://www.mcgill.ca/wellness-hub)

"The Student Wellness Hub is our students' place to go for their holistic health and wellness needs. It provides access to basic physical and mental health services, as well as health promotion and peer support programs, in convenient locations at both our Macdonald and downtown campuses."

Phone: (514) 398-6017

E-mail: [hub.clinic@mcgill.ca](mailto:hub.clinic@mcgill.ca)

## Section 7: Other Really Important Information

### **Email**

Activate your McGill email address. It is typically [firstname.lastname@mail.mcgill.ca](mailto:firstname.lastname@mail.mcgill.ca). It is the official means of communicating with you while you are at McGill.

### **McGill Environment Students' Society (MESS)**

The McGill Environment Students' Society (MESS) is the group that looks out for your interests while you are at McGill. MESS is also about environmental education -- of the McGill community and society at large. Each year, MESS organizes interesting meet-and-greets, and fun adventures!! Past events have included: guest speakers, meet-the-profs events, the annual Spring Fling, curling bonspiels, ski trips, camping weekends, and apple picking afternoons. And each year, MESS provides us with awesome Bieler School of Environment merchandise! Keep in touch with your student community by visiting MESS on Facebook ([www.facebook.com/messmcgill](http://www.facebook.com/messmcgill)) or by emailing them ([mcgill.environment@gmail.com](mailto:mcgill.environment@gmail.com)) if you have questions.

### **Facebook and Twitter**

Follow us on Facebook -- Bieler School of Environment ([www.facebook.com/EnvironmentMcGill](http://www.facebook.com/EnvironmentMcGill)) and find us on Twitter [@mcgillbse](https://twitter.com/mcgillbse).

### **Frequently Asked Questions (FAQs)**

Plus, visit the Bieler School of Environment website: <https://www.mcgill.ca/environment/programs/bieler-school-environment-courses/information-students> for answers to other Frequently Asked Questions.

#### **When and where are the courses given? How do I make my schedule?**

See Minerva for Students ([www.mcgill.ca/students/courses](http://www.mcgill.ca/students/courses)) for the Class Schedule and an explanation of how to find and register for your courses. Environment courses are listed under ENVR for Environment. The best place to find schedule information is Class Schedule, however, you may also find helpful -- the Virtual Schedule Builder (<https://vsb.mcgill.ca>). Occasionally, courses get rescheduled or relocated in the first week of class, especially if enrolment is higher or lower than expected, so check Minerva again at the start of the semester. Courses that are offered at Mac are shown on the Bieler School of Environment website with an (M) beside them.

#### **Do courses "fill up"? Should I hurry to register?**

Most courses at McGill are now limited (or "capped"). Students who are required to take a course will be able to register (if a required ENVR course is full, contact Christina Zhu ([christina.zhu@mcgill.ca](mailto:christina.zhu@mcgill.ca)) for assistance), but students looking for electives or Complementary courses may have trouble if they try to register for very popular courses late in the registration period.

#### **When do I register for my Winter courses?**

At the same time that you register for your Fall courses. You can make changes in December and January if you like.

#### **How do I know on which campus my course is on?**

ENVR courses are given on both campuses, and most have two sections. Section 001 is offered downtown, Section 051 is offered at Macdonald. Other courses offered at Macdonald will have (M) beside their names on the Bieler School of Environment website. Note that the Class Schedule on Minerva does not say which campus a course is on, it only lists the building name and room number. There are some buildings downtown named "Macdonald", so beware!

## **I still need to take some electives. Any suggestions?**

The Environment program is only one part of your degree requirements. Electives are courses that are not counting for your program (but they do count for your degree). Electives can be courses that you are simply interested in, but that do not fulfill program requirements; or, they could be courses that you need to take because they are pre-requisites for a course you *do* require. You could also choose to put your electives towards another program (for example, a Minor or an Honours).

## **Are there opportunities to study abroad?**

Yes! Students are encouraged to experience a semester or an entire year at another university. McGill has exchange agreements with universities all over the world. Study abroad programs include Exchanges, Independent Study Away, and single (3-4 cr) field courses. As well, McGill offers full term (15 credit) Field Study Semesters in Panama, Barbados, Montreal (!), and Africa.

## **What careers are available to Bieler School of Environment students?**

Given the current demand for personnel in environmental fields, our graduates have many choices, depending on the fields in which they specialize. The particular region of Canada, or the part of the world in which you want to live and work, also influences the opportunities available to you. Our world is changing so quickly that there is a good chance that the job you will land in five years doesn't even exist today!! For some ideas of job opportunities and networks that you can follow for ideas, see: [www.mcgill.ca/environment/files/environment/jobs\\_in\\_environment.pdf](http://www.mcgill.ca/environment/files/environment/jobs_in_environment.pdf).

You may also want to check out the career resources which are available to you through McGill's Career Planning Service (CaPS) ([www.mcgill.ca/caps/students](http://www.mcgill.ca/caps/students)) on both campuses:

Downtown Campus: Brown Student Services Building, Room 2200, (514) 398-3304  
Macdonald Campus: Centennial Centre, (514) 398-7582

## **Other questions?**

Ask the Program Adviser: Ms. Kathy Roulet  
(514) 398-4306 | [kathy.roulet@mcgill.ca](mailto:kathy.roulet@mcgill.ca) | or make an online appointment to meet with her at:  
<https://outlook.office365.com/owa/calendar/MSEAdvising@McGill.onmicrosoft.com/bookings/>.