



**Graduate and Postdoctoral Studies**  
**Programs, Courses and University Regulations**  
**2023-2024**



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This publication provides guidance to prospects, applicants, students, faculty and staff.

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# 1 University Regulations and Resources

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## 1.1 Regulations

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

### 1.1.1 Authorization, Acknowledgement, and Consent

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

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

### 1.1.2 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.

#### 1.1.2.1 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.

#### 1.1.2.2 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.

#### 1.1.2.3 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.

#### 1.1.2.4 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 residence

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.

#### 1.1.2.5 Thesis Evaluation Students

Students who have completed the residency requirements for their graduate thesis program and who have submitted their initial thesis to Graduate and Postdoctoral Studies by the April 15, August 15, or December 15 initial thesis submission deadlines 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.

#### 1.1.2.6 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.

#### 1.1.2.7 Special Students

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

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

**Students who wish to take under**

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 hav

- 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

**Returning Students:**

Returning students register via [Minerva](#)



**Notes:**

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

- Single-term courses: Tuesday, February 27, 2024
- Multi-term courses that begin in Winter term (**refund for the Summer or later portion of the course only**): May 15, 2024\*

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

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



**Note:**

1. To withdraw from required or complementary courses after the withdrawal (without refund) deadline, you may need to obtain permission from your adviser, and you must fill out and submit a course withdrawal form, available from your faculty Student Affairs Office. Additional restrictions for Music courses are indicated in [Schulich School of Music](#).
2. It is solely your responsibility to initiate a course withdrawal on *Minerva*. Neither notification of the course instructor nor discontinuing class attendance is sufficient. The date on which you withdraw on *Minerva* is the official date of withdrawal, even if you had stopped attending lectures earlier.
3. You may still withdraw from a course after the course change deadline without academic penalty provided that you do so within the appropriate withdrawal deadlines for the term. Otherwise, after this time, your name will continue to appear on the class list and grade reports and, in the event that you do not take the exam, you will be given a J grade.
4. Fee refunds, if any, will be in accordance with [section 1.8.8: Fees and Withdrawal from the University](#).
5. Withdrawing from one or more courses during the semester 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 & Student](#)



**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](#), who will provide you with the proper forms.



**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.

#### 1.1.3.11 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 [section 1.2.2: Failure Policy](#).

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 [section 1.1.3.9: Course Change Period](#) and in [section 1.1.3.10: Course Withdrawal](#).

### 1.1.4 <sup>Tnd</sup> 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.

At the time this publication was finalized, new courses and modifications to some existing courses were under consideration. Students preparing to register are advised to consult [Class Schedule](#) and refer to [mcgill.ca/students/courses](http://mcgill.ca/students/courses) 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 [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.3: Registration](#) and [section 1.1.8: Student Records](#).



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



**Note for Summer Studies:** Refer to [University Regulations & Resources](#) > [Summer](#) > : [Student Types and Registration Procedures](#) and : [Student Records](#) for further information.



These codes were implemented in September 2002, replacing the three-number teaching unit codes previously used. A complete list of teaching unit codes and their subject code equivalents can be found at [mcgill.ca/student-records/transcripts/key](http://mcgill.ca/student-records/transcripts/key) in the section *Cross-walk of current subject codes to pre-2002 course numbers*.

**The three numbers following the subject code** refer to the course itself, with the first of these indicating the level of the course.

- Courses numbered at the 100, 200, 300, and 400 levels are intended for undergraduate students. In most programs, courses at the 300 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.

#### **1.1.4.3 Multi-Term Courses**

Most courses at McGill are single term (Fall or Winter or Summer) courses with final grades issued and any credits earned recorded at the end of that term.

### 1.1.5 University Withdrawal



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



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

**Note for Graduate and Postdoctoral Studies:** A University Withdrawal Request form is required by the withdrawal deadlines and is available at [mcgill.ca/student-records/forms](http://mcgill.ca/student-records/forms). Students who do not register in a given term will be withdrawn as of September 1 (Fall term), January 1 (Winter



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, see [University Regulations & Resources](#) > [Graduate](#) > [Guidelines and Policies](#) > [section 1.2.10: Ph.D. Comprehensives Policy](#).

### 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 [section 1.1.9: Regulations Concerning Theses](#)).

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 eGraduate and Postdoctoral Studies (GPS) on the Nomination of Examiners eform, 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), at the same time as the thesis is submitted.** The list of examiners must be approved by the eGraduate Program Department Director, the supervisor and the student. The Thesis section of eGraduate 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](http://mcgill.ca/gps/thesis/thesis-guidelines).

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

### eDoctoral 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](http://mcgill.ca/gps/thesis/thesis-guidelines).

### 1.1.7.3 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](http://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.

## 1.1.8 Student Records

You are responsible for verifying your student records and progress throughout your academic career. The following sections describe a few useful tools to help you stay on track.

### 1.1.8.1 Grading and Grade Point Averages (GPA)

#### Classification of Grades:

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



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

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

Grades A through B- represent satisfactory passes, and F a failure. Certain courses have been approved for Pass/Fail (P/F) grading. Students must obtain grades of B- or better in courses used to 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 Sub-Committee on Teaching and 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. P/F courses are not included in GPA calculations but are included in the count of completed credits for determining eligibility for scholarships and awards.

Please refer to the Satisfactory/Unsatisfactory option for information on that grading option for students.

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.

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

The term *grade point average* (TGPA) is the GPA for a given term calculated using all the applicable courses at the same level in that term. The *cumulative grade point average* (CGPA) is the GPA calculated using your entire record of applicable courses at McGill 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:

**IP** — **in progress**; (Master's Thesis Courses Only)

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

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

**J** — **unexcused absence (failed)**; 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** — **incomplete**; 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*)

**KF** — **incomplete/failed**; failed to meet the extended deadline for submission of work in a course or for the completion of a program requirement; calculated as a failure in TGPA and CGPA.

**KK** — **completion requirement waived**. 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.

**KE or K\*** — **further extension** granted with the approval of the Assistant Registrar, Records (maximum two years). (*Signed K contract required*)

**L** — **deferred**; for students whose final examinations or papers have been deferred, for reasons such as illness, at the time of the examination. Deferrals will not be granted for reasons such as early plane bookings. The "L" grade must be cleared as soon as possible (maximum four months). A dated medical certificate or appropriate document recommending a deferral must be submitted to [Service Point](#) with a departmental recommendation for a deferral **before or immediately after** the examination. In particular, such recommendations will not be considered if medical reasons are brought forth after a grade is assigned. By commencing to write any examination, the student waives the right to plead medical causes for deferral or permission to write a supplemental examination, unless the medical problem occurs in the course of the examination and is documented by examination authorities.

**LE or L\*** — **further deferral**; permitted to defer examination for more than the normal period.

**NA or &&** — **grade not yet available**.

**NR** — **no grade reported** by the instructor (recorded by the Registrar).

**Q** — **course continued in next term**; (applicable only to courses taken pre-Fall 2002).



At the time of application, you will be asked to **consent to the release of personal information** contained in your admissions or student records file to the following persons or bodies, as necessary to each body, in the exercise of their mission:

- 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), or the member institutions of these organizations, for the purpose of admissions operations and the production of statistics;
- libraries of other Quebec 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 for the purpose of listing your McGill email address in an online email directory.

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) and the Native Law Centre Summer Program at the Native Law Centre, 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 of medicine; to Employment and Social Development Canada; to the *Ministère du Travail, de l'Emploi et de la Solidarité sociale* of Quebec; to a McGill professor, researcher or graduate student, strictly for research or teaching purposes; and to a University teaching/affiliated hospital or health centre to which you apply/or join for residency or rotations.

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 **authorize the University** to:

- collect and maintain your personal information for the purpose of administering your University admissions and student record files;
- obtain copies of your transcripts from the *Ministère de l'Éducation et de l'Enseignement supérieur*; the Ontario Universities' Application Centre; and/or the British Columbia Ministry of Education;
- make inquiries to and obtain personal information from the *Ministère de l'Immigration, de la Francisation et de l'Intégration*; Immigration, Refugees and Citizenship Canada; and/or the *Régie de l'assurance maladie du Québec* to verify the validity of your immigration or health insurance status;
- validate with the *Ministère de l'Éducation et 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 such groups may benefit from.

At the time of application, you will be asked to **ackno**



eTranscript PDFs are sent 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 National Student Clearing House, a US-based non-profit organization and leading provider of trusted, educational data exchange and verification services. A minimal service fee applies.

Paper official transcripts are normally processed in 3 to 5 working days (5 to 7 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 in [Minerva](#) for any holds.

### 1.1.8.2.3 Unofficial Transcripts

If you require a copy of your student record, access Minerva ([mcgill.ca/minerva](http://mcgill.ca/minerva)) to view and print an unofficial transcript. This applies to records from 1976 to the present. For pre-1976 records, your transcript is archived, and you must order an official transcript. See [section 1.1.8.2.4: Official Transcripts](#).

#### 1.1.8.2.3.1 Verification of Student Records: Unofficial Transcripts

Subject to [section 1.1.8.4: Changes to Student Records after Normal Deadlines](#), you are responsible for verifying your academic record on [Minerva](#) using the unofficial transcript to ensure that you are registered in the proper courses, and that the correct program information and expected term of graduation appear on your record.

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

A student's academic record is deemed final once the record has been approved for graduation and the 'Degree Granted' notation displays. No further record changes may be requested at this point (e.g. grade changes).

**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at [Service Point](#) (3415 McTavish Street). However, it is important that you also see a Faculty advisor in [Arts OASIS](#) or your queuation aefrect e

629-202Y = Microeconomics in Winter term (Y);

660-221Z = Project Management extending for two terms, Fall and Winter (Z).

### **1.1.8.3 Tracking Student Progress**

#### **1.1.8.3.1 myProgress**

myProgress is a web-based tool that allows students to track their progress towards completion of their degree. The tool offers an overview of the degree

#### **1.1.8.4.5 Fee Assessment Consequences**

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

If you want to contest the fee assessment, you must make a written request to Enrolment Services. Enrolment Services reviews the extraordinary circumstances described in the supporting documentation provided by your faculty and consults with the Student Accounts Office if necessary, to decide whether to consider the request. Enrolment Services then sends you a letter explaining the decision.

#### **1.1.8.4.6 Student's Citizenship and/or Immigration or Fee Exemption Status**

Note that your faculty/school or Graduate and Postdoctoral Studies does not handle changes related to your citizenship and/or immigration or fee exemption status; see [section 1.1.12.1: Why Does McGill Collect Legal Documents from You?](#) You may be assessed a fee for a change requested after the submission deadline.

### **1.1.9 Regulations Concerning Theses**

#### **1.1.9.1 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.

#### **1.1.9.2 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/con

#### **1.1.9.8 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 kno

### **1.1.11.1 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

9. Certificate of Name Change or Certificate of Change of Sex Designation and Name issued by the Quebec *Directeur de l'état civil* or applicable force in any Canadian province

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 us with 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)

#### 1.1.11.2.2 Legal Gender

To update your legal gender you need to:

1. Complete a [Personal Data Change Form](#)
2. Provide us with a copy of the appropriate legal document with the updated legal gender (if we don't already have a copy); the list of acceptable documents is listed in the [section 1.1.11.2.1: 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)

#### 1.1.11.3 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](#)



**Note for Continuing Studies:** Requests for such changes must be made by presenting official documents (see [section 1.1.11.2: Legal Name and Gender](#)) in person at the [Client Services Office](#), School of Continuing Studies.

#### 1.1.11.5 Updating 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 on [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 at [mcgill.ca/student-records/personal-information/name-gender](#). Macdonald Campus students can request changes in person at the [Macdonald Campus Student Affairs Office](#), Laird Hall, Room 106.



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



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

#### 1.1.11.6 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. Quebec 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

*: Bachelor of Nursing (B.N.I.) - Integrated Nursing (65 credits)\*\**

##### Graduate Programs

*section 14.14.1.12: Graduate Certificate (Gr. Cert.) Chronic Pain Management (15 credits)*

*section 3.12.11.8: Graduate Certificate (Gr. Cert.) Cybersecurity (15 credits)*

*section 5.12.2.33: Graduate Certificate (Gr. Cert.) Educational Leadership 1 (15 credits)\*\**

*section 5.12.2.34: Graduate Certificate (Gr. Cert.) Educational Leadership 2 (15 credits)\*\**

*section 5.12.2.35: Graduate Certificate (Gr. Cert.) Educational Leadership 3 (15 credits)\*\**

*section 10.17.2: Graduate Certificate (Gr. Cert.) Healthcare Management (15 credits)\**

*section 5.12.2.36: Graduate Certificate (Gr. Cert.) International Leadership in Educational and Administrative Development (15 credits)\**

*section 5.12.2.38: Certificat d'études supérieures (Cert.ed.sup.) pédagogie de l'immersion fr*

2. Students who are located outside Quebec 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 & Recreation Fee is not charged to students located outside Quebec, and International students located outside Quebec but within Canada may request to opt-in to the International Health Insurance through [mcgill.ca/internationalstudents/health](http://mcgill.ca/internationalstudents/health).

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 at [mcgill.ca/servicepoint/contact](http://mcgill.ca/servicepoint/contact).

Students will be asked to support their application for a change in location with appropriate documentation which can include, for example, Quebec Medicare Card, Quebec Driver's License, rental agreement, mail addressed to them at a Quebec 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 f





1. **French Course Fee Exemptions** – Full-time international students are charged fees at the Quebec tuition rate by default for certain eligible French courses (note exclusions as listed 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)).
2. **Out-of-Province Tuition Supplement Exemptions** – Non-Quebec Canadian students in the following categories are exempted from out-of-province tuition supplements (details 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)):
  - 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 may be assessed at the Canadian tuition rate; full details regarding eligibility criteria are listed at [mcgill.ca/legaldocuments/exemption](http://mcgill.ca/legaldocuments/exemption)):
  - Citizens of France
  - Citizens of certain countries with an agreement with the Government of Quebec
  - 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*)

Note that this information may be subject to change.

### 1.1.12.3 Has McGill Received Your Documents?

#### 1.1.12.3.1 Quebec/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 on the *Minerva* Student Accounts menu: *Student Menu > Student Accounts Menu > View Tuition Fee and Legal Status*.



**Note:** 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 Quebec rate. For information on fees, see [mcgill.ca/student-accounts](http://mcgill.ca/student-accounts).

**If you do not agree with your tuition status, notify McGill right away. 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.**

#### 1.1.12.3.2 Permanent Code

Your Permanent Code will be created and/or validated by Quebec'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 [section 1.1.12.2: What Documents Does McGill Need from You?](#) or the Government of Quebec has not yet confirmed that your documents are sufficient to create a Permanent Code.

### What Are the Consequences of Not Providing Your Documents?

Telephone: 514-398-7878

Website: [mcgill.ca/servicepoint/contact-us](http://mcgill.ca/servicepoint/contact-us)

#### 1.1.12.5.1 For the School of Continuing Studies

**By Email:** [legaldocuments.conted@mcgill.ca](mailto:legaldocuments.conted@mcgill.ca)

**In Person (appointment required) or By Mail/Courier:**

McGill University  
School of Continuing Studies  
680 Sherbrooke Street West, Suite 1199  
Montreal QC H3A 3R1

**If there is a problem with your documents, contact Client Services at:**

Telephone: 514-398-6200

Email: [info.conted@mcgill.ca](mailto:info.conted@mcgill.ca); [legaldocuments.conted@mcgill.ca](mailto:legaldocuments.conted@mcgill.ca)

### 1.1.13 Graduation

In order 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. Some faculties may require a higher CGPA in order to graduate.

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. For contact information on advisors, see [mcgill.ca/students/advising/advisordirectory](http://mcgill.ca/students/advising/advisordirectory).

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 conv

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. For more information on how to apply on Minerva, go to [mcgill.ca/graduation/applying](http://mcgill.ca/graduation/applying).

Once you apply to graduate, you are authorizing the University to:

1. include your name and image in the McGill Convocation programs, web streamed convocation broadcast, and other convocation-related communications
2. to have your ID, name, degree and ceremony provided to the Academic Regalia provider for the purposes of Convocation preparation
3. to have your ID, name, email, degree and ceremony provided to the Convocation Photographer for the purposes of Convocation preparation
4. to have your name, email, degree and confirmation of graduation sent to your professional order, if you are in a professional program (e.g. Engineering OIQ, Nursing OIQ), for licensing or accreditation purposes

If you want to opt out of your information being sent to any of the above (1, 2, 3, or 4), you must complete an [Opposition Form](#) by March 15 for Spring convocation, and September 15 for Fall convocation.

#### 1.1.13.1.1 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 Student Affairs Office immediately.



**Note for the Faculties of Arts and Science (including B.A. & Sc.):** Requests are made at [Service Point](#) (3415 McTavish Street). However, it is important that you also see a Faculty advisor [Arts OASIS](#) or [SOUSA](#) to talk about your options and the effects that your request may have on your studies. For more information, see [mcgill.ca/graduation](http://mcgill.ca/graduation).



**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 at [mcgill.ca/gps/students/registration/graduating](http://mcgill.ca/gps/students/registration/graduating). The Application for Graduation is available on Minerva for students in non-thesis programs who have registered for their final year. To ensure that you have met the requirements for graduation, you should refer to [Program Requirements > Master's Degrees](#), found under each faculty's *Graduate* section in the McGill [eCalendar](#). Students in a doctoral II term see Ps.1 ms0 0 1 210.8o4r

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 y**

If the incident involves bullying, harassment or other potential risks to the health and safety of indi

Telephone: 514-398-4349

Email: [international.health@mcgill.ca](mailto:international.health@mcgill.ca)

Website: [mcgill.ca/internationalstudents/health](http://mcgill.ca/internationalstudents/health)



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

### **1.1.15.3 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 F

### 1.1.16.1 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).

### 1.1.16.2 Non-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 [mcgill.ca/ehs/policies-and-safety-committees/policies/mcgill-smoking-policy](http://mcgill.ca/ehs/policies-and-safety-committees/policies/mcgill-smoking-policy) and [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).



**Note:** 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.

### 1.1.16.3 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](#).

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## 1.2 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.

### 1.2.1 Academic Accommodation of Pregnant Students and Students Caring for Dependents

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, [these guidelines](#) aim to set out how, and in what exceptional circumstances, you may request academic accommodation.

### 1.2.2 Failure Policy

#### 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 [section 1.2.10: Ph.D. Comprehensives Policy](#) 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:



- a. 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**
- b. 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**
- c. 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.*

#### 1.2.2.1 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:

- 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 aw

### 1.2.3 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 ss to

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 (

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](#).

3. a) 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.
  - b) 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.
4. The student's and the instructor's names are blanked out to reduce the possibility of prejudice and to help meet the requirements of the [Charter of Students' Rights](#) (available at [www.mcgill.ca/students/srr/policies-student-rights-and-responsibilities](http://www.mcgill.ca/students/srr/policies-student-rights-and-responsibilities)) that the review be impartial. The rereader's name will not be made known to the student or instructor at any time; the student's name will not be made known to the rereader at any time.
5. a) 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.
  - b) 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.
6. The new grade resulting from the review will be communicated to the student in a letter from Graduate and Postdoctoral Studies, with a copy to the academic unit.

*Prepared by the Committee on Graduate Programs, Supervision and Teaching.*

*Approved by Council of FGSR, May 12, 1995.*

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

### 1.2.6 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.

### 1.2.7 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, see [Continuing Studies > Areas of Study > Languages > English Language Programs](#).



**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 [University Regulations & Resources > Graduate > Regulations > Registration > section 1.1.3.6: Courses Taken as Extra to a Program](#).



**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).

### 1.2.8 Leave of Absence Status

#### 1.2.8.1 Graduate and Postdoctoral Leave of Absence Policy

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

- maternity or parenting



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.

**1.2.9 Vacation Policy for Graduate Students and Postdocs**

Graduate students and Postdocs should normally be entitled to vacation leave equivalent to university holidays and an additional total of fifteen (15) working days in the year. Funded students and Postdocs with fellowships and research grant stipends taking additional vacation leave may have their funding reduced accordingly.

*Council of FGSR April 23, 1999*

**1.2.10 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

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

### 1.2.13 University Student Assessment Policy

The *University Student Assessment Policy* includes all disparate policies with regard to all types of student assessments. This policy is meant to protect students from excessive workloads, and to ensure that all students are treated equally.

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

You can consult the policy on the [Secretariat website](#).

## 1.3 Graduate Studies at a Glance

### 1.3.1 Graduate and Postdoctoral Degrees Offered by Faculty

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

<b>Faculty of Agricultural and Environmental Sciences</b>	<b>Degrees Available</b>
<i>section 2.12.1: Agricultural Economics</i>	M.Sc.
<i>section 2.12.2: Animal Science</i>	M.Sc., M.Sc.A., Ph.D.
<i>section 2.12.3: Bioresource Engineering</i>	M.Sc., M.Sc.A., Ph.D.
<i>section 2.12.4: Biotechnology</i>	M.Sc.A., Graduate Certificate
<i>section 2.12.5: Food Science and Agricultural Chemistry</i>	M.Sc., Ph.D.
<i>section 2.12.6: Human Nutrition</i>	M.Sc., M.Sc.A., Ph.D., Graduate Diploma
<i>section 2.12.7: Natural Resource Sciences</i>	M.Sc., Ph.D.
<i>section 2.12.8: Parasitology</i>	M.Sc., Ph.D.
<i>section 2.12.9: Plant Science</i>	M.Sc., M.Sc.A., Ph.D., Graduate Certificate
<b>Faculty of Arts</b>	<b>Degrees Available</b>
<i>section 3.12.1: Anthropology</i>	M.A., Ph.D.
<i>section 3.12.2: Art History</i>	M.A., Ph.D.
Classics – see <i>section 3.12.10: History and Classical Studies</i>	N/A
<i>section 3.12.4: Communication Studies</i>	M.A., Ph.D.
<i>section 3.12.5: East Asian Studies</i>	M.A. ( <i>Ad Hoc</i> ), Ph.D. ( <i>Ad Hoc</i> )
<i>section 3.12.6: Economics</i>	M.A., Ph.D.
<i>section 3.12.7: English</i>	M.A., Ph.D.
<i>section 3.12.8: French Language and Literature</i>	M.A., Ph.D.
<i>section 3.12.9: Geography</i>	M.A., Ph.D.
<i>section 3.12.10: History and Classical Studies</i>	M.A., Ph.D.
<i>section 3.12.11: Information Studies</i>	M.I.St., Ph.D., Graduate Certificate
<i>section 3.12.12: International Development</i>	N/A
<i>section 3.12.13: Islamic Studies</i>	M.A., Ph.D.
<i>section 3.12.14: Jewish Studies</i>	M.A., Ph.D. ( <i>Ad Hoc</i> )
<i>section 3.12.15: Languages, Literatures, and Cultures</i>	M.A., M.A. ( <i>Ad Hoc</i> ), Ph.D., Ph.D. ( <i>Ad Hoc</i> )
<i>section 3.12.16: Linguistics</i>	M.A., Ph.D.
<i>section 3.12.17: Mathematics and Statistics</i>	M.A., Ph.D.
<i>section 3.12.18: Philosophy</i>	M.A., Ph.D.
<i>section 3.12.19: Political Science</i>	M.A., Ph.D.
<i>section 3.12.21: Public Policy</i>	M.P.P.



<b>Faculty of Arts</b>	<b>Degrees Available</b>
<i>section 3.12.20: Psychology</i>	M.A., Ph.D.
<i>section 3.12.22: Quebec Studies / Études sur le Québec</i>	N/A
<i>section 3.12.23: Religious Studies</i>	M.A., S.T.M., Ph.D.
<i>section 3.12.24: Social Studies of Medicine</i>	N/A
<i>section 3.12.25: Social Work</i>	M.Sc.A., M.S.W., M.S.W. & B.C.L./J.D., Ph.D.
<i>section 3.12.26: Sociology</i>	M.A., Ph.D.
<b>Faculty of Dental Medicine and Oral Health Sciences</b>	<b>Degrees Available</b>
<i>section 4.12.1: Faculty of Dental Medicine and Oral Health Sciences</i>	M.Sc. Ph.D.
<b>rg0 0 1 RG/F4 8.1</b>	<b>Degrees Available</b>

<b><i>Faculty of Medicine and Health Sciences</i></b>	<b>Degrees Available</b>
<i>section 11.12.2.5: Human Genetics</i>	M.Sc., Ph.D.
<i>section 11.12.1.3: Medical Physics</i>	M.Sc., Graduate Diploma
<i>section 11.12.1.4: Medicine, Experimental</i>	M.Sc., Ph.D., Graduate Diploma
<i>section 11.12.1.5: Medicine, Family</i>	M.Sc., Ph.D.
<i>section 11.12.2.6: Microbiology and Immunology</i>	M.Sc., Ph.D.
<i>section 11.12.4.4: Occupational Health</i>	M.Sc.A., Ph.D.
<i>section 11.12.1.6: Oncology</i>	Graduate Diploma
<i>section 11.12.1.7: Otolaryngology – Head and Neck Surgery</i>	M.Sc.
<i>section 11.12.1.8: Pathology</i>	M.Sc., Ph.D.
<i>section 11.12.2.7: Pharmacology and Therapeutics</i>	M.Sc., Ph.D.
<i>section 11.12.2.8: Physiology</i>	M.Sc., Ph.D.
<i>section 11.12.1.9: Psychiatry</i>	M.Sc.
<i>section 11.12.1.10: Surgery, Experimental</i>	M.Sc., Ph.D., Graduate Certificate, Graduate Diploma
<b><i>Schulich School of Music</i></b>	<b>Degrees Available</b>
<i>section 12.12.1: Schulich School of Music</i>	M.A., M.Mus., D.Mus., Ph.D., Graduate Artist Diploma, Graduate Certificate, Graduate Diploma, Post-Graduate Artist Diploma
<b><i>Ingram School of Nursing</i></b>	<b>Degrees Available</b>
<i>section 13.12.1: Nursing</i>	M.Sc.A., Ph.D., Graduate Certificate, Graduate Diploma
<b><i>School of Physical and Occupational Therapy</i></b>	<b>Degrees Available</b>
<i>section 14.14.1.2: About the School of Physical and Occupational Therapy</i>	M.Sc., M.Sc.A., Ph.D., Graduate Certificate
<b><i>Faculty of Science</i></b>	<b>Degrees Available</b>
<i>section 15.12.1: Atmospheric and Oceanic Sciences</i>	M.Sc., Ph.D.
<i>section 15.12.2: Biology</i>	M.Sc., Ph.D.
<i>section 15.12.3: Chemistry</i>	M.Sc., Ph.D.
<i>section 15.12.4: Computer Science</i>	M.Sc., Ph.D.
<i>section 15.12.5: Earth and Planetary Sciences</i>	M.Sc., Ph.D.
Geography ( <a href="#">Science</a> > <a href="#">Graduate</a> > <a href="#">Browse Academic Units &amp; Programs</a> > <a href="#">Geography</a> )	M.Sc., Ph.D.
Mathematics and Statistics ( <a href="#">Science</a> > <a href="#">Graduate</a> > <a href="#">Browse Academic Units &amp; Programs</a> > <a href="#">Mathematics and Statistics</a> )	M.Sc., Ph.D.
<i>section 15.12.8: Physics</i>	M.Sc., Ph.D.
Psychology ( <a href="#">Science</a> > <a href="#">Gr</a> )	M.Sc., Ph.D.

Degree		Prerequisites
Master of Business Administration	M.B.A.	An undergraduate degree from an approved university. See <a href="#">section 10.13: M.B.A. Programs</a> .
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 <a href="#">section 3.12.11.3: Information Studies Admission Requirements and Application Procedures</a> .
Master of Laws	LL.M.	An acceptable degree in Law or equivalent qualifications. See <a href="#">section 9.12.1.3: Law Admission Requirements and Application Procedures</a> .
Master of Management	M.M.	See <a href="#">section 10.14: Master of Management Programs</a> .
Master of Music	M.Mus.	<p>Bachelor of Music or Bachelor of Arts with concentration in the area selected for graduate study.</p> <p>Applicants to the Performance program are required to pass auditions in their speciality.</p> <p>See <a href="#">section 12.12.1: Schulich School of Music</a>.</p> <p>B.A. with specialization in religious studies or theology. See <a href="#">section 3.12.23.3: Religious Studies Admission Requirements and Application Procedures</a>.</p>

Master of Arts (M.A.)		
East Asian Studies	Thesis ( <i>Ad Hoc</i> )	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)
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 ( <i>Ad Hoc</i> )	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	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)



### 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.

Religious Studies	Non-Thesis	N/A
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### Master of Science (M.Sc.)

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
Experimental Surgery	Thesis, Non-Thesis	Global Surgery, Surgical Education, Surgical Innovation (Thesis)
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

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**Master of Science (M.Sc.)**

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)

**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.

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 b

### 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.

Urban Planning	Non-Thesis	Transportation Planning, Urban Development and Urban Design
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### Ad Hoc Master of Arts (M.A. (Ad Hoc))

Digital Humanities	Thesis	N/A
East Asian Studies	Thesis	N/A

### 1.3.3 Doctoral Degrees Available at McGill

The following section lists the doctoral degrees available at McGill, along with their prerequisites. See [section 1.3.3.1: Doctoral Degree Programs and Specializations](#) for specific programs and options for doctoral degrees.

#### Degree

#### Prerequisites

B.C.L. or LL.B. and usually LL.U de



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

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
Cell Biology	N/A	Faculty of Medicine and Health Sciences
Chemical Engineering	N/A	Faculty of Engineering
Chemistry	N/A	Faculty of Science
Civil Engineering	N/A	Faculty of Engineering
Communication Sciences and Disorders	Language Acquisition	Faculty of Medicine and Health Sciences
Communication Studies	Gender and Women's Studies	Faculty of Arts
Computer Science	Bioinformatics	Faculty of Science
Counselling Psychology	N/A	Faculty of Education
Earth and Planetary Sciences	Environment	Faculty of Science
Economics	N/A	Faculty of Arts Faculty of Education



### 1.3.5 Graduate Diplomas and Graduate Certificates

**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 cop



Normally, applicants meeting any one of the following conditions are **not** required to submit proof of proficiency in English:

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized institution in Canada or the United States of America (anglophone or francophone).
3. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction.
4. Has lived and attended university, or been employed, for at least four consecutive years, in a country where English is the acknowledged primary language.

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

1. **TOEFL** (Test of English as a Foreign Language): minimum acceptable scores are: **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.

2. **IELTS** (International English Language Testing System): a band score of 6.5 or greater.
3. **McGill Certificate of Proficiency in English** or McGill Certificate of Proficiency – English for Professional Communication: Certificate of Proficiency awarded.

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 – March 2021

#### 1.4.7 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. 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.

#### 1.4.8 Admission to a Qualifying Program

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 program for a master's. The undergraduate-level courses 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 (i.e., two full-time terms) is permitted.

In all cases, after the completion of a Qualifying year or term, an applicant interested in commencing a degree program must apply for admission by the application deadlines. Successful completion of the work in the Qualifying program (B- in all courses) does not automatically entitle the student to proceed toward a degree. Qualifying year students must apply for admission to the program for which they seek qualification.

In cases where an academic unit recommends a change of registration from Qualifying program (Fall) to Master's Degree First Year (Winter), **students must apply to the degree program by the academic unit's Winter 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 program may apply to the appropriate undergraduate faculty for admission as regular or Special Students, and seek admission to graduate studies at a later date. The normal admission requirements must be met and the usual procedures followed.

#### 1.4.9 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 six credits per semester, up to a maximum of twelve credits in one year. Under no circumstances are Special students eligible to obtain a degree.

##### 1.4.9.1 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.

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#### **1.4.10 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.

#### **1.4.11 Admission of Former Students**

Students who have reached time limitation or officially withdrawn from the university should refer to [section 1.2.11: Admission of Former Students](#) for further information.

### **1.6.1 Regulation on the Conduct of Research**

Please refer to the Regulation on the Conduct of Research available at



- replacement diplomas
- student exchanges/study abroad
- submitting legal documents
- tuition and fees information
- pick-up of alternative U.S. Loans

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

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

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Brown Student Services Building, Suite 4100  
3600 McTavish Street  
Montreal QC H3A 0G3  
Email: [student.services@mcgill.ca](mailto:student.services@mcgill.ca)  
General Information: 514-398-8238  
Website: [mcgill.ca/student-services](http://mcgill.ca/student-services)

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.

- [section 1.7.3.1: Campus Life & Engagement \(CL&E\)](#)
- [section 1.7.3.2: Career Planning Service \(CaPS\)](#)
- [section 1.7.3.3: First Peoples' House](#)
- [section 1.7.3.4: International Student Services \(ISS\)](#)
- [section 1.7.3.5: Office of Religious and Spiritual Life \(MORSL\)](#)
- [section 1.7.3.6: Office for Sexual Violence Response, Support, and Education](#)
- [section 1.7.3.7: Student Accessibility & Achievement](#)
- [section 1.7.3.8: Office of Sustainability](#)
- [section 1.7.3.9: Scholarships and Student Aid Office](#)
- [section 1.7.3.10: Student Wellness Hub](#)

#### **1.7.3.1 Campus Life & 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 Street, Suite 4100  
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)

#### **1.7.3.2 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:

Service also available at Macdonald Campus, in Centennial Centre, Room 124. Please mention campus location when booking your appointment.

Telephone: 514-398-4349

myISS Request for Information Form can be submitted at

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)

#### 1.7.3.10 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)

#### 1.7.4 Student Services – 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 can be found at [mcgill.ca/student-services/services](http://mcgill.ca/student-services/services). All **Student Services** at Macdonald Campus are located in the Centennial Centre, unless otherwise noted:

Centennial Centre, Room 124

21,111 Lakeshore Road

Sainte-Anne-de-Bellevue QC H9X 3V9

Telephone: 514-398-7992

Email: [stuserv.macdonald@mcgill.ca](mailto:stuserv.macdonald@mcgill.ca)

Website: [mcgill.ca/macdonald-studentservices](http://mcgill.ca/macdonald-studentservices)

A list of services a21,111 LaG0 g/FLa

Website: [mcgill.ca/internationalstudents](http://mcgill.ca/internationalstudents)

#### **1.7.4.3 Student Accessibility & Achievement**

Student Accessibility & 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.

Appointments can be arranged with an Access Services Adviser at Macdonald Campus.

Macdonald Campus

Telephone: 514-398-7992 (Mac)

Website: [mcgill.ca/access-achieve/](http://mcgill.ca/access-achieve/)

Main Office - Downtown

1010 Sherbrooke St. W., Suite 410

Telephone: 514-398-6009

Email: [access.achieve@mcgill.ca](mailto:access.achieve@mcgill.ca)

#### **1.7.4.4 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 advisers, local wellness advisers, 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.

- Making en

There is no meal plan offered on the Macdonald Campus. Students may, however, load their oneCard to purchase meals; refer to [mcgill.ca/onecard](http://mcgill.ca/onecard) for more information. Meals are also available on a cash basis from the Café Twigs, located on the ground floor between the Macdonald-Stewart Building and Barton Library. For budgeting purposes, the cost of meals for the academic year is approximately \$3,500.

#### *1.7.52.1.1 Laird Hall*

Laird Hall is a co-ed residence that provides accommodation for undergraduate, graduate, and Farm Management Technology students.

[View the Laird Hall annual fees.](#)

#### *1.7.52.1.2 EcoResidence*

Each EcoResidence unit is a self-contained, fully furnished apartment with tw

- 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 Avenue West

Telephone: 514-398-7000

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: [mcgillathletics.ca](http://mcgillathletics.ca)

Facebook: [www.facebook.com/mcgillathleticsandrecreation](http://www.facebook.com/mcgillathleticsandrecreation)

Twitter: [www.twitter.com/McGillAthletics](http://www.twitter.com/McGillAthletics)

### 1.7.6.2 Macdonald Campus Athletics & Recreation

Offers a wide range of facilities, activities, and equipment, free of charge. Facilities include:

- gym
- fitness centre
- arena
- tennis courts
- playing fields
- outdoor TrekFit gym
- outdoor volleyball court
- large expanses of green space
- Mac Paddle Shack

Students can participate in instructional, recreational, intramural, and intercolle693 657.9 Tm(McGill Sps1 0 0 1 108.772 461.0 5dMace597 Tm5Tm0 Tl(Students m1(T



- Health and wellness clubs
- Languages and publications clubs
- Leisure activity and hobby clubs
- Networking and leadership development clubs
-

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 Avenue

Ste.-Anne-de-Bellevue QC H9X 2E3

Telephone: 514-398-7951

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 on Minerva. *Guest Access* allows your guest to view your account information without knowing your PIN.

### 1.8.2.2 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.

### 1.8.3 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-Quebec 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

## **1.8.5 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.

### **1.8.5.1 Student Services Fees**

Student Services fees are governed by the Senate Committee on the Coordination of Student Services, a parity committee composed equally of students and University staff. 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 Quebec 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 & Achievement; Campus Life & Eng

If you stop attending classes without dropping your courses, you are liable for all applicable tuition and other fees. See [section 1.1.5: 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).

### 1.8.8.1 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 [University Regulations & Resources > Graduate > Regulations > Registration > section 1.1.3.3: Summer Registration](#) for information about a potential fee refund.

#### 1.8.8.1.1 Fall Term – up to and including September 19

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

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

#### 1.8.8.1.2 Fall Term – after September 19

No refund.

#### 1.8.8.1.3 Winter Term – up to and including January 23

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

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

#### 1.8.8.1.4 Winter Term – after January 23

No refund.

\* 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; see [Contact Information for Faculty & School Student Affairs Offices](#)) 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).

### 1.8.8.2 Refund Procedures

You are not automatically refunded your credit balance as many students choose to keep the balance on account for use for a future term. You may 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.

### 1.8.9 Other Policies Related to Fees

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

#### 1.8.9.1 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. 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.

### **1.8.9.1.1 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  
Montreal 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.

### **1.8.9.1.2 Information for Students Who Are No Longer Registered**

When students fail to settle their debt or reach a suitable payment arrangement, or fail to provide the Student Accounts Office with up-to-date contact information, the University refers these delinquent accounts to a collection agency. **If neither the University nor the collection agency is able to collect on the account, the University reserves the right to have the student reported to a credit bur**

### 1.8.9.7 Quebec Inter-University Transfer Agreements

If you are taking courses as part of the Quebec Inter-University Transfer (IUT) agreement, you are required to pay the fees at your home university; see [section 1.1.2.13: Quebec 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.

## 1.8.10 Sponsorships/Funding/Fee Deferrals

### 1.8.10.1 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.**

### 1.8.10.2 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 on [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.

### 1.8.10.3 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 outst.801 Tm(v)Tj52 451fng rate 111.3t9 5s6d 305.5216ge

### 1.8.11 Tax Slips/Receipts

T4A, Relevé 1, T2202, and Relevé 8 slips are issued on [Minerva](#) under the *Student Accounts Menu* by the end of February each year. Note that a Quebec 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 Quebec 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).

### 1.8.12 Yearly Fees and Charges

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* > [section 1.1.7.1: Master's Degrees](#) and [section 1.1.7.2: Doctoral Degrees](#), 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.

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## 1.9 Information Technology (IT) Services

- [section 1.9.1: IT Support](#)
- [section 1.9.2: Communication and Collaboration](#)
- [section 1.9.3: Online Course Materials and Lecture Recordings](#)
- [section 1.9.4: Minerva](#)
- [section 1.9.5: Secure Your Journey](#)

McGill University students, faculty, staff, and other members of the McGill community benefit from a variety of Information Technology resources. Please visit [IT Services](#) > [Resources for Students](#) for details.

### 1.9.1 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



### Microsoft Office and 365 Apps

As a student you can download and install the entire *Microsoft Office ProPlus* 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. Find out about all the Microsoft 365 apps at [mcgill.ca/it/explore-services/o365](https://mcgill.ca/it/explore-services/o365).



**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.

### 1.9.3 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 & Learning Services website* for more information.

### 1.9.4 Minerva

Minerva is McGill's web-based information system serving applicants, students, staff, and faculty. To access Minerva, go to [mcgill.ca/minerva](https://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 Quebec 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*.

### 1.9.5 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](https://mcgill.ca/cybersafe) for tools and resources to secure your student journey at McGill.

## 1.10 Resources for Study and Research

Resources for study and research at McGill University include libraries, archives, museums, laboratories, and other historical collections.

### 1.10.1 Libraries

The McGill Library system provides access to *over 9 million items*, both in print and electronic formats, and consists of multiple branches, the McGill University Archives, and the McGill University Visual Arts Collection. Visit [mcgill.ca/library/branches](http://mcgill.ca/library/branches) for a map of all our locations, and bring your McGill ID card if you wish to borrow physical items from Library 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 Library's website ([mcgill.ca/library](http://mcgill.ca/library)) 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 the *Rare Books and Special Collections have been digitized* and are accessible through the library's website. Our website also provides access to items such as *ne*



Museum's Textual Archives include some 262 linear metres of documents relating to Canadian history. Finally, the McCord's [website](#) features award-winning virtual exhibitions, innovative learning resources, and a vast, searchable database of information on the Museum's collections.

Exhibitions at the McCord provide innovativ

The University no

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 Quebec.

## 1.11.5 Governance: Board of Governors

### 1.11.5.1 The Visitor

#### The Visitor

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  
**Administrator of the Government of Canada**

### 1.11.5.2 Board of Governors

#### Board of Governors

Maryse Bertrand, Ad.E., M.Sc.(RM)	<b>Chair</b>
Deep Saini	<b>Principal and Vice-Chancellor</b>
John McCall MacBain; B.A.(McG.), B.A.(Wadham), M.A.(Oxford), M.B.A.(Harvard)	<b>Chancellor</b>

### 1.11.5.2.1 Members

#### Members

Bob Babinski; B.A.(McG.)

Maryse Bertrand; B.C.L.(McG.), M.Sc.(NYU), Ad. E.

Gregory David; B.C.L., LL.B.(McG.)

Ariel Deckelbaum; LL.B., B.C.L., B.A.(McG.)

Luciano D'Iorio; SIOR, A.E.O.

Claude Généreux; B.Eng.(McG.), M.A.(Oxf.)

Lucy Gilbert; M.D., M.Sc., F.R.C.O.G.

Celia Greenwood; Ph.D.(McG.)

Joseph Hakim; B.Com.(McG), M.B.A.(C'dia)

Stephen Halperin; B.C.L./LL.B.(McG.)

Fred Headon; B.A.(Winn.), B.C.L./LL.B.(McG.)

Inez Jabalpurwala; B.A., M.A., M.B.A., M.M.(McG.)

Pierre Matuszewski; B.A.(Laval), M.B.A.(McG.)

Ram Panda; M.Eng., M.B.A.(McG.)

Maarika Paul; B.Com., Gr. Dip.(McG.), F.C.P.A., F.C.A., C.B.V.

Adrienne Piggott

Diletta Prando

Samira Sakhia; B.Com., M.B.A.(McG.)

Jonathan Sigler; B.S., M.S.

Petra Rohrbach; B.Sc.(McG.), M.Sc., Ph.D.(Heidel.)

Edith A. Zorychta; B.Sc.(St. FX), M.Sc., Ph.D.(McG.)

**1.11.5.2.2 Student Representatives****Student Representatives**

- 1 representative of the Students' Society of McGill
- 1 representative of the Post-Graduate Students' Society of McGill
- Observers ("voice but no vote"):
  - 1 representative of the McGill Association of Continuing Education Students
  - 1 representative of the Macdonald Campus Students' Society

**1.11.6 Governance: Members of Senate****1.11.6.1 Ex-Officio****Ex-Officio**

- The Chancellor
- The Chair of the Board of Governors
- The Principal and Vice-Chancellor
- The Provost, Deputy Provost, and the vice-principals
- The deans of faculties
- The Dean of Continuing Studies
- The Dean of Graduate and Postdoctoral Studies
- The Dean of Students
- The Dean/Director of Libraries
- The University Registrar and Executive Director of Enrolment Services
- The Director of Teaching and Learning Services

**1.11.6.2 Elected Members****Elected Members**

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

**1.11.7 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 [mcgill.ca/about/administration](https://mcgill.ca/about/administration) to meet McGill's senior staff and learn about the University's administration and governance structure.

**Administration**

John McCall MacBain	<b>Chancellor</b>
Deep Saini	<b>Principal and Vice-Chancellor</b>
Véronique Bélanger	<b>Chief of Staff</b>
Christopher Manfredi	<b>Provost and Vice-Principal (Academic)</b>
Fabrice Labeau	<b>Deputy Provost (Student Life &amp; Learning)</b>
Gillian Nycum	<b>University Registrar and Executive Director of Enrolment Services</b>
Martine Gauthier	<b>Executive Director of Services for Students</b>
Chris Buddle	<b>Associate Provost (Teaching &amp; Academic Programs)</b>





**1.11.7.1.2 Directors of Schools****Directors of Schools**

Martin Bressani	<b>Architecture</b>
Alvin Shrier ( <i>interim</i> )	<b>Biomedical Sciences</b>
Susan Rvachew	<b>Communication Sciences and Disorders</b>
Bettina Kemme	<b>Computer Science</b>
Ryan J. Mailloux	<b>Human Nutrition</b>
Sylvie de Blois	<b>Environment</b>
Kimiz Dalkir	<b>Information Studies</b>
TBA	<b>Medicine, School of</b>
Anita Gagnon	<b>Nursing</b>
Laurie Snider	<b>Physical and Occupational Therapy</b>
Timothy Evans	<b>Population and Global Health</b>
Garth W. Green	<b>Religious Studies</b>
Nico Trocmé	<b>Social Work</b>
Richard Shearmur ( <i>interim</i> )	<b>Urban Planning</b>
Christopher Ragan	<b>Public Policy</b>

**2 Faculty of Agricultural and Environmental Sciences****2.1 Dean's Welcome**

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies*

**2.2 Graduate and Postdoctoral Studies****2.2.1 Administrative Officers****Administrative Officers**

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>
Nathan Hall; B.A., M.A., Ph.D. (Manit.)	<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>

## 2.2.2 Location

James Administration Building, Room 400  
845 Sherbrooke Street West  
Montreal QC H3A 0G4  
Website: [mcgill.ca/gps](https://mcgill.ca/gps)



**Note:** For inquiries regarding specific graduate programs, please contact the appropriate department.

## 2.2.3 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.

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## 2.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](https://mcgill.ca/importantdates).

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## 2.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 2.5 Program Requirements

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 2.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.4: Graduate Admissions and Application Procedures](#) 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.

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## 2.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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## 2.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### 2.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist them in research.

Postdocs must be appointed by their department and registered with Enrolment Services in order to have access to University facilities (library, computer, etc.).

### 2.8.2 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

- i. 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 [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.
- ii. 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.
- iii. 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

- i. 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](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/F

- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have access to the services provided by the Ombudsperson.
- x. 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.
- xi. 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**

- i. Postdocs are subject to the responsibilities outlined at [mcgill.ca/students/srr](http://mcgill.ca/students/srr) and must abide by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).
- ii. Each academic unit hosting postdocs should clearly identify postdocs' needs and the means by which they will be met by the unit.

## 2.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

## 2.8.5 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 T

- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## **2.10 Graduate Student Services and Information**

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular

### **2.12.1.2 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 [section 2.12.7: Natural Resource Sciences](#). Further details can also be found at [mcgill.ca/nrs/academic/graduate/agricultural-economics](http://mcgill.ca/nrs/academic/graduate/agricultural-economics).

### **2.12.1.3 Agricultural Economics Admission Requirements and Application Procedures**

#### **2.12.1.3.1 Admission Requirements**

This program provides students with applied economic concepts and tools to identify

#### 2.12.1.4 Agricultural Economics Faculty

**Program Director**

P.J. Thomassin

**Professor**

P.J. Thomassin

**Associate Professor**

N. Kosoy

**Assistant Professors**

M.K. Doidge; A.P. Harou

**Associate Member**

C. Barrington-Leigh

#### 2.12.2 Animal Science

##### 2.12.2.1 Location

Department of Animal Science  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7838  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [mcgill.ca/animal](http://mcgill.ca/animal)

##### 2.12.2.2 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.



#### *section 2.12.2.5: Master of Science (M.Sc.) Animal Science (Thesis) (45 credits)*

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.

#### *section 2.12.2.6: Master of Science, Applied (M.Sc.A.) Animal Science (Non-Thesis) (45 credits)*

The Applied Master's program must be taken with the Sustainable Agriculture concentration. Please see the respective program description for the Sustainable Agriculture option.

#### *section 2.12.2.7: Master of Science, Applied (M.Sc.A.) Animal Science (Non-Thesis): Sustainable Agriculture (45 credits)*

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 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.

#### *section 2.12.2.8: 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.

#### *section 2.12.2.9: 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.

### **2.12.2.3 Animal Science Admission Requirements and Application Procedures**

#### **2.12.2.3.1 Admission Requirements**

##### **M.Sc. (Thesis)**

Candidates are required to have either a bachelor's degree in Agriculture or a B.Sc. degree in an appropriate, related discipline with an equivalent cumulative grade point average (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 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**

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).

#### **2.12.2.3.2 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

ANSC 695	(1)	MSc General Topic Seminar
ANSC 696	(1)	MSc Research Proposal Seminar
ANSC 697	(1)	MSc Research Results Seminar

Depending on the needs and competencies of the student, additional coursework may be assigned by the supervisory committee.

#### **2.12.2.6 Master of Science, Applied (M.Sc.A.) Animal Science (Non-Thesis) (45 credits)**

The program aims to provide graduate training in applied areas of animal production with a view toward integrating technology and management in animal production with allied areas of agricultural resource utilization.

#### **Research Project (15 credits)**

ANSC 643	(3)	Project 1
ANSC 644	(3)	Project 2
ANSC 645	(3)	Project 3
ANSC 646	(3)	Project 4
ANSC 647	(3)	Project 5

#### **Complementar**

ANSC 643	(3)	Project 1
ANSC 644	(3)	Project 2
ANSC 645	(3)	Project 3
ANSC 646	(3)	Project 4
ANSC 647	(3)	Project 5

**Required Courses (12 credits)**

ANSC 555	(3)	The Use and Welfare of Animals
BREE 533	(3)	Water Quality Management
IGFS 611	(3)	Advanced Issues on Development, Food and Agriculture
PLNT 602	(3)	Advances in Agronomy

**Complementary Courses (18 credits)**

3 credits from the following list:

AEMA 610	(3)	Statistical Methods 2
AEMA 611	(3)	Experimental Designs 1
AEMA 614	(3)	Temporal and Spatial Statistics 1

9-15 credits from the following list:

ANSC 530	(3)	Experimental Techniques in Nutrition
ANSC 551	(3)	Carbohydrate and Lipid Metabolism
ANSC 552	(3)	Protein Metabolism and Nutrition
ANSC 560	(3)	Biology of Lactation
ANSC 565	(3)	Applied Information Systems
ANSC 604	(3)	Advanced Animal Biotechnology
ANSC 611D1	(1.5)	Advanced Reproductive Biology
ANSC 611D2	(1.5)	Advanced Reproductive Biology
ANSC 622	(3)	Experimental Techniques in Animal Science
ANSC 637	(3)	Livestock Breeding Systems
FDSC 545	(3)	Advances in Food Microbiology
PLNT 635	(3)	Advanced Plant Breeding
PLNT 662	(3)	Advances in Plant Biotechnology

0-6 credits of sufficient 500-, or 600-level courses (with Adviser's approval) to bring the total credits to 45.

**2.12.2.8 Doctor of Philosophy (Ph.D.) Animal Science**

Since the Ph.D. is primarily a research degree, the amount of coursework required will depend on the background of the individual student, and must be approved by the student's advisory committee.

**Thesis**

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**

ANSC 701	(0)	Doctoral Comprehensive Examination
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Two seminar courses at the 500, 600, or 700 level.

**2.12.2.9 Doctor of Philosophy (Ph.D.) Animal Science: Bioinformatics****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)**

ANSC 701	(0)	Doctoral Comprehensive Examination
ANSC 797	(1)	Animal Science Seminar 3
ANSC 798	(1)	Animal Science Seminar 4
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

**Complementary Courses (6 credits)**

Two courses chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.

**2.12.3 Bioresource Engineering****2.12.3.1 Location**

Department of Bioresource Engineering  
 Macdonald Campus  
 21,111 Lakeshore Road  
 Sainte-Anne-de-Bellevue QC H9X 3V9  
 Canada  
 Telephone: 514-398-7838  
 Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
 Website: [mcgill.ca/bioeng](http://mcgill.ca/bioeng)

**2.12.3.2 About Bioresource Engineering**

The Department offers M.Sc. and Ph.D. research programs in various areas of bioresource engineering including:

- **Bio-production engineering**
  - biomass production engineering;
  - precision agriculture and sensor systems engineering;

- smart production systems engineering; and
- irrigation and drainage engineering.
- **Bio-process engineering**
  - post-harvest technologies engineering;
  - food process engineering;
  - food quality, safety, and security engineering;
  - food and bioprocess engineering;
  - bio-inspired multifunctional metamaterials; and
  - meta-structures engineering.
- **Bio-environmental engineering**
  - ecological engineering;
  - sustainable bioresource consumption and supply chain engineering
  - hydrology and water engineering and management;
  - water resource and environmental systems engineering; and
  - soil and water ecology engineering.

The Department has well-equipped laboratories for conducting research in all these areas.

The interdisciplinary nature of bioresource engineering often requires candidates for higher degrees to work in association with, or attend courses given by, a number of other departments at both the McGill University Macdonald Campus and the Downtown Campus.

***section 2.12.3.5: Master of Science (M.Sc.) Bioresource Engineering (Thesis) (45 credits)***

This option for the M.Sc. degree is oriented tow51 0.1

***section 2.12.3.10: Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Environmental Engineering (45 credits)***

The Environmental Engineering program emphasizes interdisciplinary fundamental knowledge, practical perspective, and awareness of environmental issues through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University.

The primary objective of the program is to train environmental professionals at the advanced level. The program is thus designed for individuals with a university undergraduate degree in engineering. Through this program, students will master specialized skills in their home disciplines and acquire a broader perspective and awareness of environmental issues.

***section 2.12.3.11: Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Integrated Food and Bioprocessing (45 credits)***

This graduate program will provide students with 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, fibre, biofuel, and any 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.

***section 2.12.3.12: 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.

***section 2.12.3.13: Doctor of Philosophy (Ph.D.) Bioresource Engineering: Environment***

**\*\*This program is not offered in the 2023-2024 academic year.\*\***

The Ph.D. Bioresource Engineering: Environment – Option is coordinated through the Bieler School of Environment. This option is intended for students who want to take an interdisciplinary approach in their graduate research on environmental issues. Students will learn how to transfer knowledge into action and develop an appreciation for the roles of science, politics, economics, and ethics with regard to the environment.

### **2.12.3.3 Bioresource Engineering Admission Requirements and Application Procedures**

#### **2.12.3.3.1 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 considered by the academic unit to be preparatory to the graduate program. Experience after the undergraduate degree is an additional asset.

**Note:** Candidates for the M.Sc. (non-thesis) program with concentration in Integrated Water Resources Management are required to have a Bachelor's degree but this does not need to be an engineering degree.

Financial aid is available but limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application. Normally, a student will not be accepted unless adequate financial support can be provided through a scholarship/award and/or by the student's supervisor. Academic units cannot guarantee financial support via teaching assistantships.



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**Required Courses (8 credits)**

BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2
BREE 699	(3)	Scientific Publication
ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability

**Complementary Courses (6 credits)**

3-6 credits from:

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 614	(3)	Mobilizing Research for Sustainability

0-3 credits from:

ENVR 585	(3)	Readings in Environment 2
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

**2.12.3.7 Master of Science (M.Sc.) Bioresource Engineering (Non-Thesis): Integrated Water Resources Management (45 credits)****Research Project (6 credits)**

BREE 631	(6)	Integrated Water Resources Management Project
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**Required Courses (27 credits)**

BREE 503	(3)	Water: Society, Law and Policy
BREE 510	(3)	Watershed Systems Management
BREE 630	(13)	Integrated Water Resources Management Internship
BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2
BREE 655	(3)	Integrated Water Resources Management Research Visits
PARA 515	(3)	Water, Health and Sanitation

**Elective Courses (12 credits)**

12 credits, at the 500 level or higher, of any relevant course(s) chosen in consultation with the Program Director.

**2.12.3.8 Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis) (45 credits)**

The non-thesis option is aimed toward individuals already employed in industry or seeking to improve their skills in specific areas (soil and water/structures and environment/waste management/environment protection/post-harvest technology/food process engineering/environmental engineering) in order to enter the engineering profession at a higher level.

Candidates must meet the qualifications of a professional engineer either before or during their M.Sc. Applied program.

Each candidate for this option is expected to establish and maintain contact with his/her academic adviser in the Department of Bioresource Engineering some time before registration in order to clarify objectives, investigate project possibilities and plan a program of study.

**Research Project (12 credits)**

BREE 671	(6)	Project 1
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(6)

Project 2

**Research Project (6 credits)**

BREE 671*	(6)	Project 1
BREE 672	(6)	Project 2

\* BREE 671 may also be taken as part of this requirement.

**Required Courses (9 credits)**

BREE 533	(3)	Water Quality Management
CHEE 591	(3)	Environmental Bioremediation
CIVE 615	(3)	Environmental Engineering Seminar

**Complementary Courses (19 credits)****Data Analysis Course**

3 credits from the following:

AEMA 611	(3)	Experimental Designs 1
CIVE 555	(3)	Environmental Data Analysis
PSYC 650	(3)	Advanced Statistics 1

**Toxicology Course**

3 credits from the following:

OCCH 612	(3)	Principles of Toxicology
OCCH 616	(3)	Occupational Hygiene

**Water Pollution Engineering Course**

4 credits from the following:

CIVE 651	(4)	Theory: Water / Wastewater Treatment
CIVE 652	(4)	Bioprocesses for Wastewater Resource Recovery
CIVE 660	(4)	Chemical and Physical Treatment of Waters

**Air Pollution Engineering Course**

3 credits from the following:

CHEE 592	(3)	Industrial Air Pollution Control
MECH 534	(3)	Air Pollution Engineering

or an approved 500-, 600-, or 700-level alternative course.

**Environmental Impact Course**

3 credits from the following:

GEOG 601	(3)	Advanced Environmental Systems Modelling
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or an approved 500-, 600-, or 700-level alternative course.

**Environmental Policy Course**

3 credits from the following:



FDSC 519	(3)	Advanced Food Processing
FDSC 538	(3)	Food Science in Perspective
GEOG 515	(3)	Contemporary Dilemmas of Development
NUTR 501	(3)	Nutrition in Developing Countries

9 credits of any relevant graduate-level course chosen in consultation with the Program Director.

### **2.12.3.12 Doctor of Philosophy (Ph.D.) Bioresource Engineering**

Candidates for the Ph.D. degree will normally register for the M.Sc. degree first. In cases where the research work is proceeding very satisfactorily, or where the equivalent of the M.Sc. degree has been completed previously, candidates may be permitted to proceed directly to the Ph.D. degree.

#### **Thesis**

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**

BREE 701	(0)	Ph.D. Comprehensive Examination
BREE 751	(0)	Departmental Seminar Ph.D. 1
BREE 752	(0)	Departmental Seminar Ph.D. 2
BREE 753	(0)	Departmental Seminar Ph.D. 3
BREE 754	(0)	Departmental Seminar Ph.D. 4

#### **Complementary Courses**

Courses of study selected for a Ph.D. program will depend on the e

ENVR 615 (3) Interdisciplinary Approach Environment and Sustainability

**Complementary Courses (6 credits)**

3-6 credits from:

ENVR 610 (3) Foundations of Environmental Policy

ENVR 614 (3) Mobilizing Research for Sustainability

0-3 credits from:

ENVR 585 (3) Readings in Environment 2

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### **2.12.4.3 Biotechnology Admission Requirements and Application Procedures**

#### **2.12.4.3.1 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).

#### **2.12.4.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### **2.12.4.3.2.1 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/biotechgr](http://mcgill.ca/biotechgr)



HGEN 660 (3) Genetics and Bioethics

**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.

**2.12.4.6 Graduate Certificate (Gr. Cert.) Biotechnology (16 credits)**

\*\* This program is currently not offered. \*\*

**Required Courses (10 credits)**

BIOT 505	(3)	Selected Topics in Biotechnology
BTEC 620	(4)	Biotechnology Laboratory 1
BTEC 621	(3)	Biotechnology Management

**Complementary Courses (6 credits)T**

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**2.12.5.3 Food Science and Agricultural Chemistry Admission Requirements and Application Procedures**  
**2.12.5.3.1 Admission Requirements**



FDSC 536	(3)	Food Traceability
FDSC 537	(3)	Nutraceutical Chemistry
FDSC 538	(3)	Food Science in Perspective
FDSC 540	(3)	Sensory Evaluation of Foods
FDSC 545	(3)	Advances in Food Microbiology
FDSC 634	(3)	Food Toxins and Toxicants
FDSC 651	(3)	Principles of Food Analysis 2
FDSC 652	(3)	Separation Techniques in Food Analysis 2

**Elective Courses (15 credits)**

At the 500 level or higher, and chosen in consultation with the academic adviser.

**Master of Science (M.Sc.) Food Science & Agricultural Chemistry: Food Safety (Non-Thesis) (45 credits)**

**Elective Courses (6 credits)**

At the 500 level or higher, and selected in consultation with the academic adviser.

**2.12.5.8 Doctor of Philosophy (Ph.D.) Food Science and Agricultural Chemistry**

Candidates will be judged principally on their research ability. Coursework will be arranged in consultation with the student's departmental graduate advisory committee.

**Thesis**

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.

*section 2.12.6.5: Master of Science (M.Sc.) Human Nutrition (Thesis) (45 credits)*

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.

*section 2.12.6.7: Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Practicum (45 credits) and*

*section 2.12.6.8: Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Project (45 credits)*

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.

*section 2.12.6.6: Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Dietetics Credentialing y48 589.107 rit 190.587 661.82 58.143 709.84 Tm(v)*

## Financial Aid

Financial aid is available but limited and highly competitive. It is suggested that students give serious consideration to their financial planning before submitting an application. Normally, a student will not be accepted unless adequate financial support can be provided through a scholarship/award and/or by the student's supervisor. 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).

### 2.12.6.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### 2.12.6.3.2.1 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.

### 2.12.6.3.3 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.

## 2.12.6.4 Human Nutrition Faculty

### Director

Ryan J. Mailloux

### Professors Emeriti

Harriet V. Kühnlein, Timothy A. Johns

### Professors

Luis B. Agellon, Linda J. Wykes

### Associate Professors

Niladri Basu (*Canada Research Chair*) (*joint appt. with Natural Resource Sciences*) (*Assoc. Member of Epidemiology and Biostatistics, Faculty of Medicine and Health Sciences*)

Stéphanie Chevalier (*Assoc. Member Dept of Medicine and Health Sciences*) (*Graduate 0 1 197 m l of Hu5tv*)



**Assistant Professors**

Chelsia Gillis

Brittany Jock

**Academic Associate**Patrick Cortbaoui (*Managing Director, Margaret A. Gilliam Institute for Global Food Security*)**Senior Faculty Lecturers**Sandy Phillips (*University Coordinator, Professional Practice (Stage) in Dietetics*)

Hugues Plourde

Maureen Rose (*Director, Graduate Dietetics Programs*)**Faculty Lecturers**Paul-Guy Duhamel (*Manager, Food and Nutrition Laboratories*)

Mary Hendrickson

Joane Routhier

**Associate Members***Anaesthesia*: Franco Carli, Thomas Schricker*Medicine and Health Sciences*: Larry Lands, José Morais*Nursing*: Rosetta Antonacci**Adjunct Professors**Isabelle Germain (*Agriculture and Agri-Food Canada*); Elizabeth D. Mansfield; Hope Weiler (*on leave*)**Affiliate Members**Kathryn Arcudi (*CIUSSS du Centre-Ouest-de-l'Île-de-Montreal*)

Annyck Besso

Marie-Ève Besner (*Montreal Children's Hospital*)Sarah Bluden (*LMC Diabetes and Endocrinology*)Sophie Brousseau (*Ste-Anne's Hospital*)

Jessica Coll

Catherine Delorme (*Ste-Anne's Hospital*)Thea Demmers (*Université de Montréal*)Linda Falcon (*Douglas Mental Health Institute*)

Loudgina Khoury

Isabelle Lam

Alexander McLean (*Lakeshore General Hospital*)Laura Li Ching Ng (*McGill University Health Centre*)

Piraveena Piremathasan

Marilyn Rabin (*Douglas Mental Health Institute*)Donna Schafer (*CIUSSS Centre-Ouest de l'Île de Montréal*)Patricia Urrico (*Jewish General Hospital*)

**2.12.6.5 Master of Science (M.Sc.) Human Nutrition (Thesis) (45 credits)**

**Thesis Courses (33 credits)**

NUTR 680	(7)	Human Nutrition M.Sc. Thesis 1
NUTR 681	(8)	Human Nutrition M.Sc. Thesis 2
NUTR 682	(9)	Human Nutrition M.Sc. Thesis 3
NUTR 683	(9)	Human Nutrition M.Sc. Thesis 4

**Required Courses (3 credits)**

Emer



### **2.12.6.9 Doctor of Philosophy (Ph.D.) Human Nutrition**

#### **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**

NUTR 695	(1)	Human Nutrition Research Orientation
NUTR 701	(0)	Doctoral Comprehensive Examination
NUTR 796	(1)	PhD Research Presentation

### **2.12.6.10 Graduate Diploma (Gr. Dip.) Registered Dietitian Credentialing (30 credits)**

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

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](#).

### Master of Science Degrees

#### *section 2.12.7.5: Master of Science (M.Sc.) Agricultural Economics (Thesis) (45 credits)*

This program provides students with applied economic concepts and tools to identify, define, and analyze economic problems affecting the performance of the agri-food sector and the environment. The ideal prior preparation is an undergraduate degree in Agricultural Economics or Economics, including undergraduate courses in intermediate economic theory (micro and macro), calculus, algebra, statistics, and econometrics.

Attention is given to the development of analytical skills in the broad areas of agricultural, environmental, and ecological economics. Students may specialize, by way of their research program, in agribusiness, development, finance, marketing and trade, policy, and resource economics. The program prepares graduates for rewarding careers in research, analysis, and decision-making in academia, private and NGO sectors, and government.

#### *section 2.12.7.6: Master of Science (M.Sc.) Entomology (Thesis) (45 credits)*

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.

#### *section 2.12.7.7: Master of Science (M.Sc.) Entomology (Thesis): Neotropical Environment (45 credits)*

Please contact the Department for more information about this program.

#### *section 2.12.7.8: Master of Science (M.Sc.) Microbiology (Thesis) (45 credits)*

Graduate students in the microbiology program work within, and often across, multiple disciplines of basic and applied environmental sciences. Specialties within the program range from the study of microbial diversity in extreme environments, either natural or man-induced, to the role of microbes in managed ecosystems, such as in agriculture and forests. Our students typically have exceptionally strong backgrounds in one or more of these specialties and an interest in research that advances our fundamental knowledge about microorganisms as well as leads to improved efficiencies of our managed ecosystems. After completing their degrees they go on to careers in academia, environmental policy, government agencies, industry, and other fields.

#### *section 2.12.7.9: Master of Science (M.Sc.) Renewable Resources (Thesis) (45 credits)*

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.

#### *section 2.12.7.10: Master of Science (M.Sc.) Renewable Resources (Thesis): Neotropical Environment (45 credits)*

Please contact the Department for more information about this program.

### Ph.D. Degrees in Entomology, Microbiology, or Renewable Resources (Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology)

#### *section 2.12.7.11: Doctor of Philosophy (Ph.D.) Entomology*

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.

#### *section 2.12.7.12: Doctor of Philosophy (Ph.D.) Entomology: Environment*

\*\*This program is not offered in the 2023-2024 academic year.\*\*

Please contact the Department for more information about this program.

#### *section 2.12.7.13: Doctor of Philosophy (Ph.D.) Entomology: Neotropical Environment*

Please contact the Department for more information about this program.



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).

#### **2.12.7.3.2 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](#) > [Graduate](#) > [Graduate](#)



### 2.12.7.5 Master of Science (M.Sc.) Agricultural Economics (Thesis) (45 credits)

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)

AGEC 691	(3)	M.Sc. Thesis 1
AGEC 692	(3)	M.Sc. Thesis 2
AGEC 693	(6)	M.Sc. Thesis 3
AGEC 694	(6)	M.Sc. Thesis 4
AGEC 695	(6)	M.Sc. Thesis 5

#### Required Course (3 credits)

AGEC 690	(3)	Seminar in Agricultural Economics
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#### Complementary Courses (18 credits)

6 credits, two theory courses chosen from:

ECON 610	(3)	Microeconomic Theory 1
ECON 620	(3)	Macroeconomic Theory 1

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:

ECON 662D1	(3)	Econometrics
ECON 662D2	(3)	Econometrics
ECON 665	(3)	Quantitative Methods

or a quantitative course, at the 500 level or higher, approved by the Graduate Program Director.

A minimum of 3 credits from the following:

AGEC 630	(3)	Food and Agricultural Policy
AGEC 633	(3)	Environmental and Natural Resource Economics
AGEC 642	(3)	Economics of Agricultural Development
AGEC 685	(3)	Selected Topics in Agricultural Economics

Additional Complementary Courses: To complete the 45 credit program requirement from courses in your field or thesis ics eIF(A(Ts: )Tj1 0 0 1 188.648 156.3.689(Ts,

NRSC 693

(12)

M.Sc. Thesis Research 3

**Required Cour**

### **2.12.7.9 Master of Science (M.Sc.) Renewable Resources (Thesis) (45 credits)**

Includes Micrometeorology, Forest Science, Soil Science and Wildlife Biology as areas of research.

#### **Thesis Courses (36 credits)**

NRSC 691	(12)	M.Sc. Thesis Research 1
NRSC 692	(12)	M.Sc. Thesis Research 2
NRSC 693	(12)	M.Sc. Thesis Research 3

#### **Required Courses (3 credits)**

NRSC 643	(1)	Graduate Seminar 1
NRSC 644	(1)	Graduate Seminar 2
NRSC 651	(1)	Graduate Seminar 3

#### **Complementar**

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

NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 752	(0)	Graduate Seminar 5
NRSC 753	(0)	Graduate Seminar 6
NRSC 754	(0)	Graduate Seminar 7

### Coursework

Course requirements are specified by the staff in the discipline, but are flexible and depend largely on the student's background, immediate interests, and ultimate objectives.

#### 2.12.7.12 Doctor of Philosophy (Ph.D.) Entomology: Environment

\*\*This program is currently not offered.\*\*

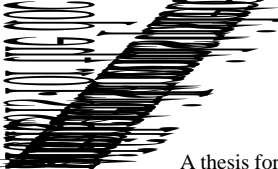
The Ph.D. in Entomology Environment is a research program offered in collaboration with the Bieler School of Environment. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

### 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)

ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability Ph.D. Comprehensiv
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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**

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 751	(0)	Graduate Seminar 4
NRSC 752	(0)	Graduate Seminar 5
NRSC 753	(0)	Graduate Seminar 6
NRSC 754	(0)	Graduate Seminar 7

Note: Participation in the MSE-Panama Symposium presentation in Montreal is also required.

### **Elective Courses**

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

#### **2.12.7.14 Doctor of Philosophy (Ph.D.) Microbiology**

Includes Micrometeorology, Forest Science, Soil Science, and ropica.84 Tm(g)Tj1470.9T 270.451 438 required.

(0) Ph.D. Comprehensive Examination

**Required Courses (3 credits)**

ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability
NRSC 701	(0)	Ph.D. Comprehensive Examination
NRSC 754	(0)	Graduate Seminar 7

**Complementary Courses (6 credits)**

3-6 credits from:

ENVR 610	(3)	Foundations of Environmental Policy
	(3)	Mobilizing Research for Sustainability

21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7838  
Email: [gr](#)







### Required Courses (13 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions
PARA 701	(0)	PhD Comprehensive Exam
PARA 710	(2)	Parasitology Ph.D. Seminar 1
PARA 711	(2)	Parasitology Ph.D. Seminar 2

### Complementary Courses (6 credits)

6 credits chosen from the following:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Additional courses at the 500, 600, or 700 level may be required at the discretion of the candidate's supervisory committee.

## 2.12.9 Plant Science

### 2.12.9.1 Location

Department of Plant Science  
Macdonald Campus  
21,111 Lakeshore Road  
Sainte-Anne-de-Bellevue QC H9X 3V9  
Canada  
Telephone: 514-398-7560  
Email: [gradstudies.macdonald@mcgill.ca](mailto:gradstudies.macdonald@mcgill.ca)  
Website: [mcgill.ca/plant](http://mcgill.ca/plant)

### 2.12.9.2 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

***section 2.12.9.5: Master of Science (M.Sc.) Plant Science (Thesis) (45 credits)***

This M.Sc. in Plant Science 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. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field.

***section 2.12.9.6: Master of Science (M.Sc.) Plant Science (Thesis): Bioinformatics (45 credits)***

This M.Sc. in Plant Science 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. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field.

***section 2.12.9.7: Master of Science (M.Sc.) Plant Science (Thesis): Environment (48 credits)***

**\*\*This program is not offered in the 2023-2024 academic year.\*\***

This M.Sc. in Plant Science 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. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field. This Environment graduate option 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.

***section 2.12.9.8: Master of Science (M.Sc.) Plant Science (Thesis): Neotropical Environment (45 credits)***

This M.Sc. in Plant Science 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. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field. This option has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.

***section 2.12.9.9: Master of Science, Applied (M.Sc.A.) Plant Science (Non-Thesis) (45 credits)***

**\*\*Please note that program is currently under revision and will not be accepting applicants.\*\***

This M.Sc. in Plant Science requires about 18 months or four to five terms for completion. Overall, the program consists of graduate-level courses, seminars, and a research project. The courses and the research project are chosen and defined with the help of an advisory committee. Subsequent career paths are varied, but include work with government agencies, the private sector, or further graduate studies in a related field.

***section 2.12.9.10: Doctor of Philosophy (Ph.D.) Plant Science***

This 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. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector.

***section 2.12.9.11: Doctor of Philosophy (Ph.D.) Plant Science: Bioinformatics***

This 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. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This 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.

***section 2.12.9.12: Doctor of Philosophy (Ph.D.) Plant Science: Environment***

**\*\*This program is not offered in 2023-2024 academic year. 1-290-9211724 For 09.688.929.899.aminth(0.1.656.th0.674.13.827.hphf01.70.522.205.6eth09.64695)EjB3**

*section 2.12.9.13: Doctor of Philosophy (Ph.D.) Plant Science: Neotropical Environment*

This 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. Subsequent career paths are varied, but include work with government agencies, universities, or the private sector. This option has an added emphasis on neotropical environments, including additional courses and seminars. Part of the program takes place in Panama.

*section 2.12.9.14: Graduate Certificate (Gr. Cert.) Bioinformatics (15 credits)*

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 softw

**2.12.9.4 Plant Science Faculty****Chair**

Martina V. Strömvik

**Associate Chair and Graduate Program Director**

Valérie Gravel

**Associate Graduate Program Director**

Mehran Dastmalchi

**Emeriti Professors**

Deborah J. Buszard; Ajjamada C. Kushalappa; Alan K. Watson

**Professors**

Pierre Dutilleul; Anja Geitmann; Deep Saini; Philippe Seguin; Donald L. Smith

**Associate Professors**

Jacqueline C. Bede; Jean-Benoit Charron; Valérie Gravel; Jaswinder Singh; Martina V. Strömvik

**Assistant Professors**

Mehran Dastmalchi; Valerio Hoyos-Villegas

**Faculty Lecturers**

Caroline Begg; David Wees

**Academic Associate**

Frieda Beauregard

**Adjunct Professors**

Konstantinos Aliferis; Annick Bertrand

**2.12.9.5 Master of Science (M.Sc.) Plant Science (Thesis) (45 credits)****Thesis Courses (39 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
PLNT 665	(12)	M.Sc. Thesis 2
PLNT 666	(15)	M.Sc. Thesis 3

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
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**Complementary Courses (6 credits)**

Two graduate-level courses

Additional courses may be required at the discretion of the candidate's supervisory committee.

**2.12.9.6 Master of Science (M.Sc.) Plant Science (Thesis): Bioinformatics (45 credits)****Thesis Courses (36 credits)**

PLNT 664	(12)	M.Sc. Thesis 1
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PLNT 665	(12)	M.Sc. Thesis 2
PLNT 667	(12)	MSc Thesis 3A

**Required Invitational Seminar**

PLNT 690	(0)	Research Horizons in Plant Science 1
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**Required Courses (3 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PLNT 691	(0)	Research Horizons in Plant Science 2

**Complementar**

ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
	(3)	Topics in Environment 4



### **Required Courses**

\* Must be taken within one year of registering

PLNT 701                      (0)                      Doctoral Comprehensive Examination

### **Complementary Courses**

Any courses at the 500 or 600 level deemed necessary for the chosen area of specialization.

### **2.12.9.11 Doctor of Philosophy (Ph.D.) Plant Science: Bioinformatics**

#### **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**

PLNT 690                      (0)                      Research Horizons in Plant Science 1

#### **Required Courses (3 credits)**

\* Must be taken within one year of registering.

(1.5)                      Bioinformatics Seminar

PLNT 690

(0)

Research Horizons in Plant Science 1

**Required Courses (3 credits)**

\* Must be taken within the first year of registering

Interdisciplinary Approach En

**2.12.9.14 Graduate Certificate (Gr. Cert.) Bioinformatics (15 credits)****Required Courses (9 credits)**

BINF 511	(3)	Bioinformatics for Genomics
BINF 660	(3)	Advances in Bioinformatics
BTEC 555	(3)	Structural Bioinformatics

**Complementary Courses (6 credits)**

6 credits from the following:

ANSC 565	(3)	Applied Information Systems
BMDE 652	(3)	Bioinformatics: Proteomics
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
COMP 616N1	(1.5)	Bioinformatics Seminar
COMP 616N2	(1.5)	Bioinformatics Seminar
COMP 618	(3)	Bioinformatics: Functional Genomics
GLIS 673	(3)	Bioinformatics Resources
HGEN 663	(3)	Beyond the Human Genome

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**3 Faculty of Arts**

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**3.1 Dean's Welcome**

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies*

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**3.2 Graduate and Postdoctoral Studies****3.2.1 Administrative Officers****Administrative Officers**

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>
Nathan Hall; B.A., M.A., Ph.D. (Manit.)	<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>

### 3.2.2 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.

### 3.2.3 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.

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### 3.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](http://mcgill.ca/importantdates).

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### 3.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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### 3.5 Program Requirements

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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### 3.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.4: Graduate Admissions and Application Procedures](#) 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.

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### 3.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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## **3.8 Postdoctoral Research**

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### **3.8.1 Postdocs**

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist them in research.

Postdocs must be appointed by their department and re

- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have access to the services provided by the Ombudsperson.
- x. 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.
- xi. 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**

- i. Postdocs are subject to the responsibilities outlined at [mcgill.ca/students/srr](http://mcgill.ca/students/srr) and must abide by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).
- ii. Each academic unit hosting postdocs should clearly identify postdocs' needs and the means by which they will be met by the unit.

#### **3.8.4 Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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### **3.10 Graduate Student Services and Information**

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Bookstore
- Computer Store
- Day Care

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### **3.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees**

Refer to [University Regulations & Resources > Graduate > section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human P



Website: [mcgill.ca/anthropology](http://mcgill.ca/anthropology)

### 3.12.1.2 About Anthropology

Our Department places high priority on research and on maintaining a distinguished graduate program. Each year, we admit only a small number of very highly qualified applicants for studies leading to the M.A. and Ph.D. degrees in Anthropology. 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.

#### *section 3.12.1.5: Master of Arts (M.A.) Anthropology (Thesis) (45 credits)*

The purpose of the M.A. program is to provide advanced-level training in socio-cultural anthropology and archaeology to prepare students for research at the Ph.D. level.

#### *section 3.12.1.6: Master of Arts (M.A.) Anthropology (Thesis): Development Studies (45 credits)*

The Development Studies Option (DSO) is a cross-disciplinary M.A. program that is unique in Canada, if not the world, because it is designed to provide students with a strong practical and theoretical foundation for engaging in genuinely cross-disciplinary research. The option is offered within existing M.A. and Ph.D. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. or Ph.D. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. or Ph.D. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

#### *section 3.12.1.7: Master of Arts (M.A.) Anthropology (Thesis): Environment (45 credits)*

**\*\*This program is not offered in 2023-2024 academic year.\*\***

The Environment option is aimed at students who wish to use interdisciplinary approaches in their graduate research on environmental issues and who wish to benefit from interaction with students from a wide range of different disciplines. Through research, seminars, and three courses, this option adds an interdisciplinary layer that will challenge students to defend their research and think in a broader context. 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. 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.

#### *section 3.12.1.8: Master of Arts (M.A.) Anthropology (Thesis): Gender and Women's Studies (45 credits)*

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Anthropology (and other participating departments and faculties), who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women's studies.

#### *section 3.12.1.9: Master of Arts (M.A.) Medical Anthropology (Thesis) (45 credits)*

The M.A. program in Medical Anthropology is given jointly by the Department of Anthropology and the Department of Social Studies of Medicine (SSOM).

### **3.12.1.3 Anthropology Admission Requirements and Application Procedures**

#### **3.12.1.3.1 Admission Requirements**

Our Department places high priority on research and on maintaining a distinguished graduate program. Each year, we admit only a small number of v

**Professors**

John Galaty; Colin H. Scott

**Associate Professors**

Diana K. Allan; Nicole Couture; Sandra T. Hyde; Hillary Kaell; Eduardo O. Kohn; Katherine Lemons; Setrag Manoukian; Kristin Norget; Lisa Overholtzer; Celeste Pedri-Spade; Lisa Stevenson; Ismael Vaccaro

**Assistant Professors**

Alyssa Bader; Samuele Collu; Peter Johansen; Leslie Sabiston

**Associate Members**

Gabriella Coleman; Laurence J. Kirmayer; Todd Meyers; Kathleen RiceSahar Sadjadi; Samuel Veissière

**Adjunct Members**

André Costopoulos; Arthur Dyke; Nadia Ferrara; Tobias Rees; Viviane Weitzner

**Faculty Lecturers**

Daniel Ruiz-Serna

**3.12.1.5 Master of Arts (M.A.) Anthropology (Thesis) (45 credits)**

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)**

ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 609	(6)	Proseminar in Anthropology
ANTH 699	(21)	M.A. Thesis

**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.

**3.12.1.6 Master of Arts (M.A.) Anthropology (Thesis): Development Studies (45 credits)**

The Development Studies Option is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology.

**Required Courses (36 credits)**

ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 609	(6)	Proseminar in Anthropology
ANTH 699	(21)	M.A. Thesis
INTD 657	(3)	Development Studies Seminar

**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 adviser.

**3.12.1.7 Master of Arts (M.A.) Anthropology (Thesis): Environment (45 credits)**

\*\*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)**

ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 609	(6)	Proseminar in Anthropology
ANTH 699	(21)	M.A. Thesis
ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability

**Complementary Courses (9 credits)**

3 credits from:

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 614	(3)	Mobilizing Research for Sustainability

3 credits from any 500 level or above departmental course offerings related to Environment, as approved by the advisory committee.

3 credits from:

ENVR 585	(3)	Readings in Environment 2
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

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.

**3.12.1.8 Master of Arts (M.A.) Anthropology (Thesis): Gender and Women's Studies (45 credits)**

This is an interdisciplinary program for students who meet the degree requirements in Anthropology, who wish to focus on gender and women's studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women's studies.

**Required Courses (36 credits)**

ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 609	(6)	Proseminar in Anthropology
ANTH 699	(21)	M.A. Thesis
WMST 601	(3)	Feminist Theories and Methods

**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 adviser.

### **3.12.1.9 Master of Arts (M.A.) Medical Anthropology (Thesis) (45 credits)**

This program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences. The M.A. degree is awarded by the Anthropology Department and admission is granted by a joint admissions committee made up of representatives from Anthropology and the Department

Note: ANTH 602 and ANTH 603 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.

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.)

time. Students may register for additional semesters to complete the program, and most students take four semesters (see [University Regulations & Resources > Graduate > Regulations > Registration > section 1.2.12: Time Limitation](#)). A typical timeline and further details regarding completing the M.A. may be found at [mcgill.ca/ahcs/graduate/ahgradprograms/ma](http://mcgill.ca/ahcs/graduate/ahgradprograms/ma).

### **Coursework**

Before classes be



### *3.12.2.3.1 Additional Requirements*

The items and clarifications below are additional requirements set by this department:

- Writing Sample (in English or French)
- Research Proposal
- C.V.

### **3.12.2.3.3 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 an

ARTH 698	(12)	Thesis Research 1
ARTH 699	(12)	Thesis Research 2

### **Complementary Courses (18 credits)**

Chosen from the following:

ARTH 501	(3)	Advanced Topics in Art History and Visual Culture
ARTH 502	(3)	Advanced Topics in Art and Architectural History
ARTH 618	(3)	Art History - 1400-1900 1
ARTH 630	(3)	Directed Reading 1
ARTH 645	(3)	Medieval Art and Archaeology
ARTH 646	(3)	Topics: Chinese Visual Culture
ARTH 647	(3)	Topics: Renaissance Art and Architecture 1
ARTH 653	(3)	Topics: Early Modern Visual Culture 1
ARTH 654	(3)	Topics: Early Modern Visual Culture 2
ARTH 660	(3)	Contemporary Art and Criticism 1
ARTH 661	(3)	Contemporary Art and Criticism 2
ARTH 675	(3)	Topics: 19th - Century Art and Architecture 1
ARTH 678	(3)	Topics: 19th - Century Art and Architecture 2
ARTH 714	(3)	Directed Reading 2
ARTH 724	(3)	Art Criticism 2
ARTH 725	(3)	Methods in Art History 1
ARTH 731	(3)	Current Problems in Art History 2

### **3.12.2.6 Master of Arts (M.A.) Art History (Thesis): Gender and Women's Studies (45 credits)**

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.

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### 3.12.2.7 Doctor of Philosophy (Ph.D.) Art History

#### 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)

ARTH 600	(3)	Advanced Professional Seminar
ARTH 701	(0)	Ph.D. Comprehensive Examination

#### Complementary Courses (12 credits)

Four courses chosen from the following:

Advanced



#### *section 3.12.4.7: Doctor of Philosophy (Ph.D.) Communication Studies*

The Ph.D. in Communication Studies offers in-depth training in the critical, historical, and theoretical analysis of communication in culture, communication technology, and communication policy. Doctoral students pursue coursework, submit a comprehensive exam and thesis proposal, with the goal of writing a dissertation that makes an original contribution to knowledge in Communication Studies. The Ph.D. degree is academic in character, and does not include professional training in media production.

#### *section 3.12.4.8: Doctor of Philosophy (Ph.D.) Communication Studies: Gender and Women's Studies*

The graduate option in Gender and Women's Studies (GWS) provides graduate students obtaining degrees in a variety of participating departments and faculties with a cross-disciplinary specialization in intersectional feminist and gender studies, queer theory, and sexuality studies. Students who pursue this option obtain a graduate degree in their own department as well as an "option/concentration" in GWS. Thus, the graduate option in Gender and Women's Studies will appear on a student's transcript along with the Ph.D.

There are no prerequisites to enter into the option. However, undergraduate or graduate courses in gender or women's studies provide an ideal foundation for more in-depth study of, and research in, feminist scholarship.

### **3.12.4.3 Communication Studies Admission Requirements and Application Procedures**

#### **3.12.4.3.1 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 under

### 3.12.4.5 Master of Arts (M.A.) Communication Studies (Thesis) (45 credits)

The M.A. in Communication Studies offers advanced training in the critical, historical, and theoretical analysis of communication in culture, communication technology, and communication policy. M.A. students pursue coursework and write an M.A. thesis that reflects sustained analysis of a topic in Communication Studies. The M.A. degree is academic in character, and does not include professional training in media production.

#### Thesis Courses (24 credits)

COMS 692	(6)	M.A. Thesis Preparation 1
COMS 693	(6)	M.A. Thesis Preparation 2
COMS 694	(6)	M.A. Thesis Preparation 3
COMS 695	(6)	M.A. Thesis Preparation 4

#### Required Course (3 credits)

COMS 616	(3)	Staff-Student Colloquium 1
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#### Complementary Courses (18 credits)

18 credits of 500-level or higher COMS courses; two courses outside COMS require approval of the Graduate Program Director.

### 3.12.4.6 Master of Arts (M.A.) Communication Studies (Thesis): Gender and Women's Studies (45 credits)

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Communication Studies who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The thesis must be on a topic centrally related to gender and/or women's studies.

#### Thesis Courses (24 credits)

COMS 692	(6)	M.A. Thesis Preparation 1
COMS 693	(6)	M.A. Thesis Preparation 2
COMS 694	(6)	M.A. Thesis Preparation 3
COMS 695	(6)	M.A. Thesis Preparation 4

#### Required Courses (6 credits)

COMS 616	(3)	Staff-Student Colloquium 1 Feminist
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Telephone: 514-398-3650

Email: [asian.studies@mcgill.ca](mailto:asian.studies@mcgill.ca)

Website: [mcgill.ca/eas](http://mcgill.ca/eas)

### 3.12.5.2 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:

- anthropology;
- archaeology;
- 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.

The *Centre for East Asian Research* (CEAR), affiliated with the Department of East Asian Studies, actively supports and encourages community outreach. It offers a wide range of activities throughout the year such as lectures, presentations, seminars, workshops, speech contests, and cultural activities, and welcomes new associate members.



### **3.12.5.3.2 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](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4](#)

2. Students must have fourth-level language equivalency by the completion of their M.A. program.

#### **3.12.5.6 Doctor of Philosophy (Ph.D.) East Asian Studies (Ad Hoc)**

The Graduate Studies Committee will assign an advisory committee to advise the student and specify the student's program of study.

Exceptional students with appropriate background at the undergraduate level may be admitted directly into the Ph.D. program.

Students must complete at least 24 course credits, with a grade point average of 3.5 or better; this coursework must be chosen to identify three distinct fields for the Comprehensive Evaluation. Students may take up to two 3-credit courses or one 6-credit course in another department with the approval of the Graduate Program Director.

There are four requirements for obtaining the doctoral degree:

1. Coursework – 24 credits at the 600 or 700 level with a grade point average of 3.5 or better. On the basis of this coursework, the student should identify three distinct fields for the Comprehensive Evaluation. Students may take up to 6 credits in another department with the approval of the Graduate Program Director.

- labour economics;
- monetary economics;
- mathematical economics; and
- advanced theory.

*section 3.12.6.5: Master of Arts (M.A.) Economics (Thesis) (45 credits)*

**\*\*This program is currently not offered.\*\***

The Master of Arts program in Economics (Thesis) serves students preparing for a Ph.D. in Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

*section 3.12.6.6: Master of Arts (M.A.) Economics (Non-Thesis) (45 credits)*

The Master of Arts program in Economics (Non-Thesis) serves students seeking to solidify and deepen their understanding of economics prior to a career in government or the private non-academic sector, and those preparing for a Ph.D. in Economics. For students who wish to complement disciplinary training in Economics with research experience in applying statistical methods across the social sciences, the Department offers the Social Statistics Option.

*section 3.12.6.7: Master of Arts (M.A.) Economics (Non-Thesis): Development Studies (45 credits)*



**Complementary Courses (12 credits)**

3-6 credits from:

ECON 662	(3)	Econometrics 1
ECON 663	(3)	Econometrics 2
ECON 665	(3)	Quantitative Methods

6-9 credits at the 500, 600, or 700 level, as determined by the student's area of study and in consultation with the MA Director.

**3.12.6.6 Master of Arts (M.A.) Economics (Non-Thesis) (45 credits)**

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)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2
ECON 682	(3)	M.A. Report 3
ECON 683	(3)	M.A. Report 4

**Required Courses (18 credits)**

ECON 610	(3)	Microeconomic Theory 1
ECON 620	(3)	Macroeconomic Theory 1
ECON 654	(3)	Research Methods in Economics
ECON 661	(3)	Applied Time-Series and Forecasting
ECON 664	(3)	Applied Cross-Sectional Methods
ECON 665	(3)	Quantitative Methods

**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/D2, and ECON 663].

**3.12.6.7 Master of Arts (M.A.) Economics (Non-Thesis): Development Studies (45 credits)**

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)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2
ECON 682	(3)	M.A. Report 3
ECON 683	(3)	M.A. Report 4

**Required Courses (24 credits)**

ECON 610	(3)	Microeconomic Theory 1
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ECON 620	(3)	Macroeconomic Theory 1
ECON 634	(3)	Economic Development 3
ECON 661	(3)	Applied Time-Series and Forecasting
ECON 664	(3)	Applied Cross-Sectional Methods
ECON 665	(3)	Quantitative Methods
ECON 734	(3)	Economic Development 4
INTD 657	(3)	Development Studies Seminar

**Complementary Courses (3 credits)**

3 credits at the 500, 600, or 700 level, related to development studies [excluding ECON 662, ECON 662D1/D2, and ECON 663].

**3.12.6.8 Master of Arts (M.A.) Economics (Non-Thesis): Population Dynamics (45 credits)**

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)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 680	(3)	M.A. Report 1
ECON 681	(3)	M.A. Report 2
ECON 682	(3)	M.A. Report 3
ECON 683	(3)	M.A. Report 4

**Required Courses (18 credits)**

ECON 610	(3)	Microeconomic Theory 1
ECON 620	(3)	Macroeconomic Theory 1
ECON 661	(3)	Applied Time-Series and Forecasting
ECON 664	(3)	Applied Cross-Sectional Methods
ECON 742	(3)	Empirical Microeconomics
SOCI 626	(3)	Demographic Methods

**Complementary Courses (9 credits)**

3-6 credits from:

ECON 662	(3)	Econometrics 1
ECON 663	(3)	Econometrics 2
ECON 665	(3)	Quantitative Methods

3 credits of a population dynamics course from the following:

ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4

ECON 741	(3)	Advanced Labour Economics
ECON 744	(3)	Health Economics
SOCI 502	(3)	Sociology of Fertility

0-3 credits at the 500 lev

### Required Courses (20 credits)

ECON 662	(3)	Econometrics 1
ECON 663	(3)	Econometrics 2
ECON 701	(0)	Ph.D. Comprehensive Examination 1
ECON 702	(0)	Ph.D. Comprehensive Examination 2
ECON 703	(0)	Ph.D. Field 1 Synthesis
ECON 704	(0)	Ph.D. Field 2 Synthesis
ECON 709	(3)	Microeconomic Theory 3
ECON 711	(3)	Microeconomic Theory 2
ECON 712	(3)	Macroeconomic Theory 1
ECON 713	(3)	Macroeconomic Theory 2
ECON 770	(1)	PhD Research Seminar 1
ECON 771	(1)	PhD Research Seminar 2

### Elective Courses (18 credits)

18 credits of elective courses at the 600 level or higher in consultation with the Graduate Program Director.

## 3.12.7 English

### 3.12.7.1 Location

Department of English  
Arts Building  
853 Sherbrooke Street West, Room 155  
Montreal QC H3A 0G5  
Canada  
Telephone: 514-398-6564  
Email: [gradstudies.englishlit@mcgill.ca](mailto:gradstudies.englishlit@mcgill.ca)  
Website: [mcgill.ca/english](http://mcgill.ca/english)

### 3.12.7.2 About English

The Department of English at McGill is unique, in that its program brings together three different but related areas of study: **LiteraturThej1 39cn539cn5k**



***section 3.12.7.5: Master of Arts (M.A.) English (Thesis) (45 credits)***

In the thesis option, students must successfully complete Graduate Research Seminar (ENGL 694) 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.

***section 3.12.7.6: Master of Arts (M.A.) English (Non-Thesis) (48 credits)***

In the non-thesis option, students must successfully complete Graduate Research Seminar (ENGL 694) 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).

***section 3.12.7.7: Doctor of Philosophy (Ph.D.) English***

Students with an M.A. in English or a closely related discipline may apply to the Ph.D. program. In their first year (Ph.D. 2), doctoral students are expected to complete the two halves of the compulsory proseminar: ENGL 787 (taken in the Fall term) and ENGL 788 (taken in the Winter term), along with four seminars. The proseminars expose students to current academic issues, theoretical propositions, and professional questions. Students may substitute for 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

### 3.12.7.3.3 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.

### 3.12.7.4 English Faculty

#### Chair

E. Hurley

#### Emeritus Professors

M.D. Bristol; M. Kreiswirth; K. McSweeney; P. Ohlin; M. Puhvel; D. Suvin; W.C. Wees

#### Professors

K. Borris; M.N. Cooke; A. Hepburn; E. Hurley; M.A. Kilgour; R. Lecker; M. Popescu; P. Sabor; M. Stenbaek; P. Yachnin; M. Van Dussen

#### Associate Professors

S. Banerjee; S. Carney; T.W. Folkerth; P. Gibian; Y. Halevi-Wise; D.C. Hensle

### Complementary Courses (21 credits)

21 credits of Departmental seminar courses at the 500, 600, or 700 level.

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

##### 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)

ENGL 787	(3)	Research Seminar 1
ENGL 788	(3)	Research Seminar 2
ENGL 797	(6)	Compulsory Research Project
ENGL 798	(3)	Dissertation Proposal

##### Complementary Courses (12 credits)

Four Departmental seminars

OR

two Departmental seminars and

ENGL 796	(6)	Research Project
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### 3.12.8 French Language and Literature

#### 3.12.8.1 Coordonnées

Département des littératures de langue française, de traduction et de création  
Pavillon McCall MacBain Art  
853, rue Sherbrooke ouest, bureau 155  
Montréal, Québec H3A 0G5  
Téléphone: 514-398-4933  
Télécopieur: 514-398-8557  
Courriel: [info.dltc@mcgill.ca](mailto:info.dltc@mcgill.ca)  
Site web: [mcgill.ca/litterature/fr](http://mcgill.ca/litterature/fr)

#### 3.12.8.2 Généralités: Langue et littérature françaises

Le DLTC 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 DLTC 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 DLTC accorde un financement à tous ses étudiants, ainsi que des assistanats de recherche (et des charges d'enseignement pour les étudiants de Ph. D.). Nous sommes l'un des seuls départements de littérature en Amérique à avoir signé une entente officielle avec l'École Normale Supérieure de Paris grâce à laquelle nous offrons un stage d'un an à certains étudiants de Ph. D.

M.A. avec mémoire et sans mémoire, et Ph. D.

##### Maîtrise

Le programme de maîtrise est à la fois un programme complet en soi et une première étape vers le Ph. D. Il vise deux buts également importants:

1. Permettre à l'étudiant de compléter 177.9 raire») et un 1 8.1 Tf( certains)Tj0 Tw/F5 8.1 Tf1 0 0 1 67.52 168.225 Tm()Tj/F1 8.5 Tm(D)Tj/u 'nt pour les reTm()Tj/F1j75

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 FREN 698.

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 du Directeur des études de 2e et 3e cycles et de la recherche, qui ne sera accordée que si les cours en question cadrent avec le programme d'études du candidat.

La note de passage est B- (65%).

#### **Ph. D.**

##### **Épreuve d'anglais**

Tous les étudiants de Ph. D. doivent réussir, avant le dépôt de leur thèse, une épreuve destinée à vérifier leur connaissance de la langue anglaise (FREN 790).

Peuvent être dispensés de cette épreuve les traducteurs professionnels et les étudiants qui ont fait des études antérieures dans des collèges ou des universités anglophones, à condition que leur programme ait comporté des cours donnés en anglais. Le fait d'avoir suivi un ou plusieurs cours de traduction ne suffit pas.

Aucune dispense n'est automatique. Les demandes de dispense doivent être soumises par écrit au Comité des études de 2e et 3e cycles et de la recherche.

##### **Programme**

Le programme de Ph. D. comporte trois parties:

- Scolarité
- Élaboration du projet de thèse et Examen préliminaire
- Thèse

##### **Scolarité**

(maximum de 6 0 0 d 8.1.1 Tfan()Tj/F1 8.1 Tf(e)Tj/F5 8.1 Tfme ni

*section 3.12.8.6: Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (45 crédits) (45 crédits)*

Les deux premières sessions du programme de maîtrise sont consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent alors suivre 6 séminaires de 3 crédits (dont le FREN 697) et préparer leur sujet de mémoire (FREN 696 : 3 crédits). Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

L'étudiant peut présenter un mémoire de critique littéraire ou un mémoire d'écriture littéraire (création ou traduction).

*section 3.12.8.7: Maîtrise ès arts (M.A.) Langue et littérature françaises (sans mémoire) (48 crédits) (48 crédits)*

La maîtrise sans mémoire comprend trois trimestres de séminaires après quoi les étudiants préparent trois travaux de recherche (30 pages chacun) sous la

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 sélecti

**3.12.8.6 Maîtrise ès arts (M.A.) Langue et littérature françaises (avec mémoire): études sur les femmes et le genre (45 crédits) (45 credits)**

**Mémoire (24 crédits)**

FREN 699 (24) M.A. Thesis

**Cours obligatoires (9 crédits)**

FREN 696 (3) Élaboration projet de mémoire  
FREN 697 (3) Méthodologie et théorie littéraires  
WMST 601 (3) Feminist Theories and Methods

**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.

**Maîtrise ès arts (M.A.) Langue et littérature françaises (sans mémoire) (48 crédits) (48 cr Tm()/Tj/F1 8.1 Tf( 8 Tf)e 001aises (sans mé**

FREN 710

(1.5)

Séminaire de doctorat 1







*section 3.12.9.11: Doctor of Philosophy (Ph.D.) Geography: Environment*

**\*\*This program is not offered in the 2023-2024 academic year.\*\***

The Environment option consists of the thesis and comprehensive examination; required courses from Geography and Environment; and complementary courses in Environment or other fields recommended by the research committee and approved by the Environment Option Committee. The graduate option in Environment provides students with an appreciation for the role of science in informed decision-making in the environmental sector, and its influence on political, socio-economic, and ethical judgments. 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.

### 3.12.9.3.3 Application Dates and Deadlines

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

**Required Courses (6 credits)**

GEOG 631	(3)	Methods of Geographical Research
INTD 657	(3)	Development Studies Seminar

**Complementary Courses (9 credits)**

9 credits of courses at the 500 level or higher related to geography and international development studies to be chosen in consultation with an adviser. GEOG 696 can count among these complementary credits for students with an appropriate background.

**3.12.9.7 Master of Arts (M.A.) Geography (Thesis): Environment (45 credits)**

\*\*This program is currently not offered.\*\*

The Environment Option is offered in association with the Bieler School of Environment and is composed of a thesis component (24 credits), required Geography and Environment courses (9 credits), and complementary Geography and Environment (12 credits) courses.

**Thesis Courses (24 credits)**

GEOG 697	(18)	Thesis Research (Environment Option)
GEOG 698	(6)	Thesis Proposal

**Required Courses (9 credits)**

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 650	(1)	Environmental Seminar 1
ENVR 651	(1)	Environmental Seminar 2
ENVR 652	(1)	Environmental Seminar 3
GEOG 631	(3)	Methods of Geographical Research

**Complementary Courses (12 credits)**

9 credits of courses at the 500 level or higher selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

3 credits, one course chosen from one of the following:

ENVR 519	(3)	Global Environmental Politics
ENVR 544	(3)	Environmental Measurement and Modelling
ENVR 620	(3)	Environment and Health of Species
ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or another course at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

**3.12.9.8 Master of Arts (M.A.) Geography (Thesis): Gender and Women's Studies (45 credits)**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's M.A. thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Note: Candidates for the M.A. degree follow an individual program approved by the Department.

**Thesis Courses (30 credits)**

GEOG 698	(6)	Thesis Proposal
GEOG 699	(24)	Thesis Research

**Required Courses (6 credits)**

GEOG 631	(3)	Methods of Geographical Research
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (9 credits)**

6 credits at the 500 level or above in Geography. GEOG 696 can count among these complementary credits for students with an appropriate background.

WMST 602	(3)	Feminist Research Symposium
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OR one 3-credit graduate course on gender/women's issues.

**3.12.9.9 Master of Arts (M.A.) Geography (Thesis): Neotropical Environment (45 credits)**

**Required Courses**

GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3

**Complementar**

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**

GEOG 631	(3)	Methods of Geographical Research
GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2
GEOG 702	(0)	Comprehensive Examination 3
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

**Complementary Courses**

Two substantive courses.

One of these two courses must be taken within the Department of Geography at the 500 level or above; one of the two courses must be on gender/women's



History – [mcgill.ca/history/graduate](http://mcgill.ca/history/graduate)

Classics – [mcgill.ca/classics/graduate-studies](http://mcgill.ca/classics/graduate-studies)

### 3.12.10.2 About History and Classical Studies

The Department of History and Classical Studies has particular strengths in:

- Canadian history;
- British and European history;
- East Asian history;
- the history of 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 av



**3.12.10.4 History and Classical Studies Faculty****Chair**

Catherine Desbarats

**Directors***Undergraduate Program Director (History & Classical Studies)* Heidi Wendt*Graduate Program Director* Judith Szapor*Director (Classical Studies)* Anastassios (Tassos) Anastassiadis**Emeritus Professors**

Paula Clark; Alan Greer; John W. Hellman; Andrée Lévesque; Carman I. Miller; Yuzo Ota; Nancy Partner; Faith Wallis

**Professors**

Gwyn Campbell; Elsbeth Heaman; Gershon D. Hundert; Brian Lewis; Lorenz Lüthi; Suzanne Morton; Jason Opal; Laila Parsons; Andrea Tone; David J. Wright; Robin D.S. Yates; John E. Zucchi

**Associate Professors**

Noelani Arista; Malek Abisaab; Anastassios (Tassos) Anastassiadis; Subho Basu; Jacob Blanc; Sabine Cadeau; Brian Cowan; Catherine Desbarats; Nicholas Dew; Elizabeth Elbourne; Michael P. Fronda; Charles W. Gladhill; Kristy Ironside; Lynn Kozak; James Krapfl; Pedro Monaville; Leonard Moore; Don Nerbas; Daviken Studnicki-Gizbert; Judith Szapor; Darian Totten; Griet Vankeerberghen; Gavin Walker; Heidi Wendt

**Assistant Professors**

Wendell Nii Laryea Adjetey; Travis Bruce; Edward Dunsworth; Sebastian Kroupa; Melissa Shaw; Jeremy Tai; Emma Teitelman

**Faculty Lecturers**

Naomi Kaloudis; Brahm Kleinman; David Porter; Martin Sirois

**3.12.10.5 Master of Arts (M.A.) History (Thesis) (45 credits)**

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)**

HIST 601	(3)	Research Seminar
HIST 696	(6)	Thesis Research 1
HIST 697	(6)	Thesis Research 2
HIST 698	(15)	Thesis Research 3

**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.

**3.12.10.6 Master of Arts (M.A.) History (Thesis): Development Studies (45 credits)**

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)**

HIST 696	(6)	Thesis Research 1
HIST 697	(6)	Thesis Research 2
HIST 698	(15)	Thesis Research 3

**Required Course (6 credits)**

HIST 601	(3)	Research Seminar
INTD 657	(3)	Development Studies Seminar

**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.

**3.12.10.7 Master of Arts (M.A.) History (Thesis): Gender and Women's Studies (45 credits)**

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)**

HIST 696	(6)	Thesis Research 1
HIST 697	(6)	Thesis Research 2
HIST 698	(15)	Thesis Research 3

**Required Courses (6 credits)**

HIST 601	(3)	Research Seminar
WMST 601	(3)	Feminist Theories and Methods

**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.

**3.12.10.8 Doctor of Philosophy (Ph.D.) History****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**

HIST 701	(3)	Doctoral Seminar
HIST 702	(0)	Comprehensive Examination - Major Field
HIST 703	(0)	Comprehensive Examination - First Minor Field
HIST 704	(0)	Comprehensive Examination - Second Minor Field

**Complementary Courses**

A maximum of 9 credits previously completed at the graduate level, whether at McGill or elsewhere. Courses must be at the 500, 600, or 700 level. Up to 6 credits may be taken in another department.

### 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.

#### 3.12.10.9 Master of Arts (M.A.) Classics (Thesis) (45 credits)

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)

CLAS 695	(6)	M.A. Thesis Proposal
CLAS 696	(6)	M.A. Thesis Research 1
CLAS 697	(6)	M.A. Thesis Research 2
CLAS 698	(6)	M.A. Thesis Submission

#### Required Courses (6 credits)

CLAS 500	(3)	Classics Seminar
CLAS 685	(3)	Methods Seminar

#### Complementary Courses (15 credits)

12 credits of 600-level Ancient Greek and Latin courses as follows.

3-9 credits from the following:

CLAS 610*	(3)	Readings in Latin Literature
CLAS 612*	(3)	Topics in Latin Literature

\*Note: These courses may be taken in more than one term under different topics.

3-9 credits from the following:

CLAS 620*	(3)	Readings in Ancient Greek Literature
CLAS 622*	(3)	Topics in Ancient Greek Literature

\*Note: These courses may be taken in more than one term under different topics.

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.

### 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.

#### 3.12.10.10 Master of Arts (M.A.) Classics (Non-Thesis) (45 credits)

The M.A. in Classics; Non-Thesis offers advanced training in the scholarly discipline of

classical studies in a variety of fields.

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 classification, 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).

***section 3.12.11.5: Master of Information Studies (M.I.St.) Information Studies (Non-Thesis): Course Work (48 credits)***

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.

***section 3.12.11.6: Master of Information Studies (M.I.St.) Information Studies (Non-Thesis): Project (48 credits)***

The Master of Information Studies – Project is a non-thesis program with a major research project, 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. The program may be completed full-time in two years or on a part-time basis within a maximum of five years.

***section 3.12.11.7: Doctor of Philosophy (Ph.D.) Information Studies***

The Ph.D. in Information Studies provides an opportunity for exceptional candidates to study interdisciplinary research topics at the doctoral level. The program offers a thorough grounding in both current theory and methods of research to ensure that students develop knowledge and critical awareness of







**Required Courses (18 credits)**

INFS 601	(3)	Foundations of Information Studies
INFS 607	(3)	Organization of Information
INFS 611	(3)	Research Principles & Analysis
INFS 617	(3)	Information System Design
INFS 619	(3)	Information Behaviour and Resources
INFS 620	(3)	Managing Information Organizations

**Complementary Courses (18-30 credits)**

INFS 608	(3)	Classification and Cataloguing
INFS 609	(3)	Metadata and Access
INFS 612	(3)	History of Books and Printing
INFS 614	(3)	Public Libraries
INFS 615	(3)	Reference and Information Services
INFS 616	(3)	Information Retrieval
INFS 626	(3)	Usability Analysis and Assessment
INFS 627	(3)	User-Centered Design
INFS 629	(3)	Information Security
INFS 630	(3)	Data Mining
INFS 633	(3)	Digital Media
INFS 634	(3)	Web System Design and Management
INFS 636	(3)	Government Information
INFS 639	(3)	Introduction to Museology
INFS 641	(3)	Archival Description and Access
INFS 642	(3)	Preservation Management
INFS 644	(3)	Descriptive Bibliography
INFS 645	(3)	Archival Principles and Practice
INFS 649	(3)	Digital Curation.
INFS 650	(3)	Digital Libraries
INFS 655	(3)	Language and Information
INFS 656	(3)	Abstracting and Indexing
INFS 657	(3)	Database Design and Development
INFS 660	(3)	Enterprise Content Management

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INFS 688	(6)	Independent Study.
INFS 688D1	(3)	Independent Study
INFS 688D2	(3)	Independent Study. Selected Topics

INFS 627	(3)	User-Centered Design
INFS 629	(3)	Information Security
INFS 630	(3)	Data Mining
INFS 633	(3)	Digital Media
INFS 634	(3)	Web System Design and Management
INFS 636	(3)	Government Information
INFS 639	(3)	Introduction to Museology
INFS 641	(3)	Archival Description and Access
INFS 642	(3)	Preservation Management
INFS 644	(3)	Descriptive Bibliography
INFS 645	(3)	Archival Principles and Practice
INFS 649	(3)	Digital Curation.
INFS 650	(3)	Digital Libraries
INFS 655	(3)	Language and Information
INFS 656	(3)	Abstracting and Indexing
INFS 657	(3)	Database Design and Development
INFS 660	(3)	Enterprise Content Management
INFS 661	(3)	Knowledge Management.
INFS 662	(3)	Intellectual Capital.
INFS 663	(3)	Knowledge Taxonomies
INFS 664	(3)	Managing Knowledge Communities
INFS 665	(3)	Competitive Intelligence
INFS 671	(3)	Health Sciences Information
INFS 672	(3)	Law Information
INFS 673	(3)	Bioinformatics Resources.
INFS 679	(3)	Information Literacy
INFS 689	(3)	Selected Topics
INFS 690	(3)	Information Policy.
INFS 691	(3)	Special Topics 1.
INFS 692	(3)	Special Topics 2
INFS 693	(3)	Special Topics 3
INFS 699	(3)	Practicum

### **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.

### **3.12.11.7 Doctor of Philosophy (Ph.D.) Information Studies**

The Ph.D. program provides an opportunity to study interdisciplinary research topics within the field of library and information studies at the doctoral level. Students develop scholarly and innovative expertise in one of the four research areas within information studies: a) information-seeking behaviour; b) human-computer interaction; c) information resources in context; d) knowledge management and representation, as well as an awareness of the inter-relatedness of these areas. Students begin with a set of common core courses and proceed to specialization through advanced coursework and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members.

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)**

Note: INFS 701 is normally taken in the second year.

GLIS 705	(3)	Readings in Information Studies
INFS 701	(0)	Comprehensive Examination
INFS 702	(3)	Seminar in Information Studies
INFS 703	(3)	Research Paradigms in Information Studies.
INFS 704	(3)	Research Design in Information Studies.

Students may also be required to take additional courses to prepare them for their research.

### **3.12.11.8 Graduate Certificate (Gr. Cert.) Cybersecurity (15 credits)**

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)**

**3.12.11.10 Graduate Certificate (Gr. Cert.) Information Architecture and Design (15 credits)**

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



### **3.12.12.3 International Development Admission Requirements and Application Procedures**

#### **3.12.12.3.1 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.

#### **3.12.12.3.2 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.

#### **3.12.12.3.3 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:

- [section 3.12.1: Anthropology](#)
- [section 3.12.6: Economics](#)
- [section 3.12.9: Geography](#)
- [section 3.12.10: History and Classical Studies](#)
- [section 3.12.19: Political Science](#)
- [section 3.12.26: Sociology](#)

Departmental contact info is also available at [mcgill.ca/gps/contact/graduate-program](http://mcgill.ca/gps/contact/graduate-program).

### **3.12.13 Islamic Studies**

#### **3.12.13.1 Location**

Institute of Islamic Studies  
Morrice Hall, Room 319  
3485 McTavish Street  
Montreal 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)

#### **3.12.13.2 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
- Islamic Law



- 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.

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Applicants to graduate studies whose mother tongue is not English should refer to the Graduate and Postdoctoral Studies website at [mcgill.ca/gradapplicants/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency) for more information.

### **3.12.13.3.2 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](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### **3.12.13.3.2.1 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 entire master's thesis, or completed chapters of master's thesis, or (in cases where these are not available) two substantial research papers
- 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
- Other additional documents and questions, as itemized and explained on the departmental website for Prospective Students at [mcgill.ca/islamicstudies/graduate](http://mcgill.ca/islamicstudies/graduate)

### **3.12.13.3.3 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 [Islamic Studies 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 will not be considered.

### **3.12.13.4 Islamic Studies Faculty**



ISLA 698	(6)	Thesis Research 2
ISLA 699	(12)	Thesis Research 3

**Required Course (3 credits)**

ISLA 603	(3)	Introductory: Research Materials - Islamic Studies
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**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/D2 or ISLA 642D1/D2, 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.

**3.12.13.6 Master of Arts (M.A.) Islamic Studies (Thesis): Gender and Women's Studies (45 credits)**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Islamic Studies (and other participating departments and faculties) who wish to earn 6 credits of approved course

Note that the courses taken to fulfill the second-year level requirements will not be credited towards the course requirements.

### **3.12.13.7 Doctor of Philosophy (Ph.D.) Islamic 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 Course (3 credits)**

ISLA 603	(3)	Introductory: Research Materials - Islamic Studies
ISLA 701	(0)	Comprehensive Examination

#### **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.

\* Note: For the three-year-level language requirement, either, ISLA 521D (9 credits) or ISLA 541D (6 credits) will not count toward the 27 complementary credits.

With the permission of the Institute, up to 6 credits could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses taken with an IIS faculty member 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**

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

\* Note: For the three-year-level language requirement, either, ISLA 521D (9 credits) or ISLA 541D (6 credits) will not count toward the 21 complementary credits.

With the permission of the Institute, up to 6 credits could be taken in other departments at McGill or other institutions.

With the approval of the student's supervisor, courses taken with an IIS faculty member 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**

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.

## Ph.D. in Jewish Studies

This is an *ad hoc* program. Please contact the Department for further information.

### 3.12.14.3 Jewish Studies Admission Requirements and Application Procedures

#### 3.12.14.3.1 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.

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).

#### 3.12.14.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### 3.12.14.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Research Proposal
- Curriculum Vitae
- Written Work

#### 3.12.14.3.3 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. All submitted applications must satisfy 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.

### 3.12.14.4 Jewish Studies Faculty

#### Chair

Eric Caplan

#### Graduate Program Director

Christopher Silver

**Lecturer**

Lea Fima

**Adjunct Professor**

Daniel Kupfert Heller

**3.12.14.5 Master of Arts (M.A.) Jewish Studies (Thesis) (45 credits)**

An M.A. in Jewish Studies (thesis option) is offered in the following areas: History of the Jewish Interpretation of the Bible, Eastern European Jewish History, Jewish Thought, Hebrew Literature, and Modern Jewish Literatures. These areas of specialization are broadly construed to accommodate the range of research interests in the Department. The M.A. can be completed in one year, though most students spend two years in the program.

Note: Students can choose from either the Jewish Studies Stream or History of the Jewish Interpretation of the Bible Stream.

**Jewish Studies Stream (45 credits)****Thesis Courses (30 credits)**

JWST 695	(9)	M.A. Thesis 1
JWST 696	(9)	M.A. Thesis 2
JWST 697	(12)	M.A. Thesis 3

**Required Course (3 credits)**

JWST 699	(3)	Research in Jewish Studies
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**Complementary Courses (12 credits)**

12 credits of courses at the 500, 600, or 700 level, chosen according to each student's specialization in consultation with the student's thesis adviser.

**Language Requirement**

Students choosing Eastern European studies, Jewish thought, or Hebrew literature must demonstrate fluency in either Hebrew or Yiddish according to their field of specialization. Mastery is normally determined by an examination administered by the Department.

**History of the Jewish Interpretation of the Bible Stream (45 credits)****Thesis Courses (24 credits)**

JWST 690	(3)	M.A. Thesis 1
JWST 691	(6)	M.A. Thesis 2
JWST 692	(12)	M.A. Thesis 3
JWST 694	(3)	M.A. Thesis 4

**Required Courses (9 credits)**

JWST 510	(3)	Jewish Bible Interpretation 1
JWST 511	(3)	Jewish Bible Interpretation 2
JWST 699	(3)	Research in Jewish Studies

**Complementary Courses (12 credits)**

12 credits of courses at the 500, 600, or 700 level, chosen in consultation with the student's thesis adviser.

**Language Requirement**

In addition to Hebrew, students in the History of the Jewish Interpretation of the Bible stream must master another language in which primary documents in this field have been written; in most cases, this will be Aramaic, but classical Arabic and Greek are also accepted. Mastery is normally determined by an examination administered by the Department.

### 3.12.14.6 Master of Arts (M.A.) Jewish Studies (Non-Thesis) (45 credits)

All students pursuing this option must take JWST 699. The remaining credits will normally include 15 credits in two of the following areas and 12 credits in the third: Jewish Thought, Jewish History, and Jewish Literature. The substitution of credits in related disciplines outside of Jewish Studies may be permitted if appropriate. The coursework will be adjusted to the applicant's academic background.

#### Required Course (3 credits)

JWST 699	(3)	Research in Jewish Studies
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#### Complementary Courses (42 credits)

Students will normally take 15 credits in two of the following areas and 12 credits in the third.

#### Jewish Thought (12-15 credits)

JWST 504	(3)	Seminar in Jewish Thought
JWST 510	(3)	Jewish Bible Interpretation 1
JWST 511	(3)	Jewish Bible Interpretation 2
JWST 542	(3)	Abraham Ibn Ezra as Parshan
JWST 543	(3)	Maimonides as Parshan
JWST 558	(3)	Topics: Modern Jewish Thought
JWST 604	(3)	Topics: In Jewish Thought

#### Jewish History (12-15 credits)

HIST 655	(6)	Tutorial
JWST 585	(3)	Tutorial: Eastern European Studies 1
JWST 586	(3)	Tutorial: Eastern European Studies 2
JWST 602	(3)	East European Jewish History 1

#### Jewish Literature (12-15 credits)

JWST 510	(3)	Jewish Bible Interpretation 1
JWST 511	(3)	Jewish Bible Interpretation 2
JWST 520	(3)	Bible Interpretation in Antiquity
JWST 530	(3)	Topics in Yiddish Literature
JWST 538	(3)	Early Rabbinic Parshanut 1
JWST 541	(3)	Medieval Ashkenazi Parshanut
JWST 546	(3)	Innovative Medieval Parshanut
JWST 548	(3)	Medieval Parshanut
JWST 554	(3)	Modern Jewish Biblical Scholarship
JWST 571	(3)	Biblical Literature



JWST 588	(3)	Tutorial in Yiddish Literature
JWST 615	(3)	Literary Analysis of Hebrew Fiction

### 3.12.15 Languages, Literatures, and Cultures

#### 3.12.15.1 Location

Department of Languages, Literatures, and Cultures  
 680 Sherbrooke Street West, Suite 0425  
 Montreal QC H3A 2M7  
 Canada  
 Telephone: 514-398-3650  
 Email: [info.llcu@mcgill.ca](mailto:info.llcu@mcgill.ca)  
 Website: [mcgill.ca/langlitcultures](http://mcgill.ca/langlitcultures)

#### 3.12.15.2 About Languages, Literatures, and Cultures

The Department's graduate programs in:

- [section 3.12.15.2.2: German Studies](#);
- [section 3.12.15.2.3: Hispanic Studies](#);
- [section 3.12.15.2.4: Italian Studies](#);
- [section 3.12.15.2.5: Russian and Slavic Studies](#);

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.

##### 3.12.15.2.1 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.

##### 3.12.15.2.2 German Studies

Faculty research specializations in German Studies cover philology and literary history from the 18th century to the present, film and German media studies, history of the book, philosophy, intellectual history, 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 conference and workshop organization. German Studies is connected with notable facilities and resources, including the [Moving Image Research Laboratory](#).

##### Ph.D. Language Tests



*section 3.12.15.12: Master of Arts (M.A.) Italian (Non-Thesis) (45 credits)*

Students enrolled in the M.A. (non-thesis) option complete nine 3-credit courses and two in-depth research papers under the direction of a faculty member.

**3.12.15.25 Russian and Slavic Studies**

**Master's and Ph.D. in Russian**

Russian and Slavic Studies offers graduate instruction at both the M.A. and Ph.D. levels. Our faculty specializes in 19th- and 20th-century Russian literature and culture, w





GERM 691	(9)	Thesis Research 2
GERM 692	(9)	Thesis Research 3

**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.

**3.12.15.6 Master of Arts (M.A.) German (Non-Thesis) (45 credits)****Research Project (18 credits)**

GERM 680	(6)	Research Paper 1
GERM 681	(6)	Research Paper 2
GERM 682	(6)	Research Paper 3

**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.

**3.12.15.7 Doctor of Philosophy (Ph.D.) 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**

GERM 701	(0)	Ph.D. Comprehensive Examination
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**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.

**3.12.15.8 Master of Arts (M.A.) Hispanic Studies (Thesis) (45 credits)****Required Courses (27 credits)**

HISP 695	(3)	Thesis Preparation 1
HISP 696	(3)	Thesis Preparation 2
HISP 697	(21)	M.A. Thesis

### **Complementary Courses (18 credits)**

18 credits of graduate-level HISP courses.

### **3.12.15.9 Master of Arts (M.A.) Hispanic Studies (Non-Thesis) (45 credits)**

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)**

HISP 603                      (3)                      Research Project Methodology

### **Complementary Courses (42 credits)**

Research Project

18 credits to be chosen from:

HISP 615                      (9)                      Pre-1800 Literature and Culture  
HISP 616                      (9)                      Modern and Contemporary Iberian Literature and Culture  
HISP 617                      (9)                      Modern & Contemporary Latin American Literature and Culture

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.

### **3.12.15.10 Doctor of Philosophy (Ph.D.) Hispanic 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 ho

**Required Courses (12 credits)**

ITAL 602	(3)	The Literary Tradition
ITAL 610	(3)	Bibliography of Italian Literature
		Topics in Literary

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0-6 credits of graduate coursework outside the Department, subject to approval by the Department Graduate Committee.

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

#### 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

RUSS 700	(0)	Ph.D. Tutorial
RUSS 701	(0)	Ph.D. Comprehensive Examination
RUSS 702	(0)	Ph.D. Thesis Proposal

Depending on their individual background, students may be asked to take additional coursework as approved by the Department Graduate Committee.

Students must complete two of the following:

RUSS 750	(0)	History of Russian Language
RUSS 760	(0)	Pre-Petrine Foundation
RUSS 770	(0)	18th Century Foundation

#### 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.

### 3.12.16 Linguistics

#### 3.12.16.1 Location

Department of Linguistics  
1085 Dr. Penfield Avenue  
Montreal QC H3A 1A7  
Canada  
Telephone: 514-398-4222  
Email: [gradprogram.linguistics@mcgill.ca](mailto:gradprogram.linguistics@mcgill.ca)  
Website: [mcgill.ca/linguistics](http://mcgill.ca/linguistics)

#### 3.12.16.2 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.

W

### 3.12.16.3.3 Application Dates and Deadlines

**Research Project (15 credits)**

LING 605	(3)	M.A. Research 1
LING 606	(3)	M.A. Research 2
LING 607	(9)	M.A. Research Paper

**Required Courses (6 credits)**

LING 601	(3)	Graduate Research Seminar 1
LING 602	(3)	Graduate Research Seminar 2

**Complementary Courses (21 credits)**

9-12 credits from:

LING 630	(3)	Phonetics 3
LING 631	(3)	Phonology 3
LING 660	(3)	Semantics 3
LING 671	(3)	Syntax 3

6-12 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.

**3.12.16.7 Doctor of Philosophy (Ph.D.) Linguistics**

The Ph.D. in Linguistics provides training in the fundamentals of theoretical and experimental linguistics. The program culminates in the preparation of a

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.

### **3.12.16.8 Doctor of Philosophy (Ph.D.) Linguistics: Language Acquisition**

Students must satisfy all program requirements for the Ph.D. in Linguistics. The Ph.D. thesis must be on a topic relating to language acquisition.

#### **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)**

LING 601	(3)	Graduate Research Seminar 1
LING 602	(3)	Graduate Research Seminar 2
LING 630	(3)	Phonetics 3
LING 631	(3)	Phonology 3
LING 635	(3)	Phonetics and Phonology 4
LING 660	(3)	Semantics 3
LING 671	(3)	Syntax 3
LING 706	(0)	Ph.D. Evaluation 1
LING 707	(0)	Ph.D. Evaluation 2
LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

Note: LING 706 and LING 707 must be completed before proceeding to thesis research.

#### **Complementary Courses (18 credits)**

3 credits of statistics from the following list

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

LING 661 (3) Advanced Formal Methods

If LING 620 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:

EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Instructed Second Language Acquisition Research
EDSL 632	(3)	Second Language Literacy Development
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 751	(3)	Advanced Seminar: Experimental 1
LING 752	(3)	Advanced Seminar: Experimental 2
PSYC 545	(3)	Topics in Language Acquisition
PSYC 735	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 633	(3)	Language Development
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2

0-2 credits from the following:

EDPE 713	(2)	Language Acquisition Issues 5
EDSL 711	(2)	Language Acquisition Issues 3

### 3.12.17 Mathematics and Statistics

#### 3.12.17.1 Location

Department of Mathematics and Statistics  
Burnside Hall, Room 1005  
805 Sherbrooke Street West  
Montreal QC H3A 0B9  
Canada  
Telephone: 514-398-3800  
Email: [grad.mathstat@mcgill.ca](mailto:grad.mathstat@mcgill.ca)  
Website: [mcgill.ca/mathstat/](http://mcgill.ca/mathstat/)

#### 3.12.17.2 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 groups are:

- Algebra;
- Algebraic Geometry;

- Analysis;
- Applied Mathematics;
- Differential Equations;
- Differential Geometry;
- Discrete Mathematics;
- Geometric Group Theory;
- Logic;
- Mathematical Biology;
- Mathematical Physics;
- Number Theory;
- 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.

#### **Master of Arts (M.A.) Programs in Mathematics and Statistics**

Detailed program requirements for the following M.A. programs are found in [Arts](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Mathematics and Statistics](#).

##### ***section 3.12.17.5: Master of Arts (M.A.) Mathematics and Statistics (Thesis) (45 credits)***

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.A.). The thesis option requires a thesis and six approved courses.

##### ***section 3.12.17.6: Master of Arts (M.A.) Mathematics and Statistics (Non-Thesis) (45 credits)***

The Department of Mathematics and Statistics offers programs with concentrations in applied mathematics, pure mathematics, and statistics leading to the master's degree (M.A.). The non-thesis option requires a project and eight approved

**3.12.17.3 Mathematics and Statistics Admission Requirements and Application Procedures**  
**3.12.17.3.1 Admission Requirements**

In addition to the general Graduate and Postdoctoral Studies requirements, the Department requirements are as follows:

**Master's Degree**

The normal entrance requirement for the master's programs is a Canadian honours de



### Professors

Louigi Addario-Berry; Masoud Asgharian; Rustum Choksi; Henri Darmon; Christian Genest; Eyal Z. Goren; Pengfei Guan; Jacques C. Hurtubise; Dmitry Jakobson; Vojkan Jaksic; Joel Kamnitzer; Niky Kamran; Eric D. Kolaczyk; Jean-Philippe Lessard; Johanna Neslehova; Adam Oberman; Charles Roth; David A. Stephens; John A. Toth; Adrian Vetta; Daniel T. Wise

### Associate Professors

Patrick Allen; Linan Chen; Tim Hoheisel; Antony R. Humphries; Abbas Khalili; Jessica Lin; Jean-Christophe Nave; Sergey Norin; Elliot Paquette; Mikael Pichot; Piotr Przytycki; Marcin Sabok; Russell Steele; Anush Tserunyan; Gantumur Tsogtgerel; Jérôme Vétois; Archer Yang

### Assistant Professors

Medhi Dadoug; Courtney Paquette; Brent Pym

### Associate Members

Simon Caron-Huot; Xiao-Wen Chang; Luc Devroye; Pierre R. L. Dutilleul; Leon Glass; James A. Hanley; Hamed Hatami; Anmar Khadra; Xue Liu; Michael Mackey; Erica E.M. Moodie; Prakash Panangaden; Robert W. Platt; Alexandra Schmidt; Kaleem Siddiqi; Christina Wolfson

### Adjunct Professors

Syed E. Ahmed; Andrew Granville; Alexis Hannart; Adrian Iovita; Dimitris Koukoulopoulos; Michael Lipnowski; Ming Mei; Claude-Alain Pillet; Iosif Polterovich; Armen Shirikyan

### Senior Faculty Lecturers

José A. Correa; Axel Hundemer; Armel Djivede Kelome

### Faculty Lecturers

Rosalie Bélanger-Rioux; Jérôme Fortier; Kiwon Lee; Jens Kreitewolf, *joint with Psychology*; Jeremy Macdonald; Tharshanna Nadarajah; Alia Sajjad; Sidney Trudeau

### 3.12.17.5 Master of Arts (M.A.) Mathematics and Statistics (Thesis) (45 credits)

#### Thesis Courses (24 credits)

MATH 600	(6)	Master's Thesis Research 1
MATH 601	(6)	Master's Thesis Research 2
MATH 604	(6)	Master's Thesis Research 3
MATH 605	(6)	Master's Thesis Research 4

#### Complementary Courses (21 credits)

At least 6 approved graduate courses, at the 500, 600 or 700 level, of 3 credits or more each.

### 3.12.17.6 Master of Arts (M.A.) Mathematics and Statistics (Non-Thesis) (45 credits)

#### Research Pr

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**

MATH 701                      (0)                      Ph.D. Qualifying Examination

### **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 tak

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 specialty.

***section 3.12.18.5: Master of Arts (M.A.) Philosophy (Thesis): Bioethics (45 credits)***

The Master's in Bioethics is an interdisciplinary academic program that emphasizes both the conceptual and the practical aspects of bioethics. Ordinarily, it takes at least two years to complete, although some students ha

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.

## Affiliate Members

Steven Davis; Iain Macdonald

### 3.12.18.5 Master of Arts (M.A.) Philosophy (Thesis): Bioethics (45 credits)

#### Thesis Courses (24 credits)

BIOE 690	(3)	M.Sc. Thesis Literature Survey
BIOE 691	(3)	M.Sc. Thesis Research Proposal
BIOE 692	(6)	M.Sc. Thesis Research Progress Report
BIOE 693	(12)	M.Sc. Thesis

#### Required Courses (9 credits)

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum
PHIL 643	(3)	Seminar: Medical Ethics

#### Complementary Courses (12 credits)

12 credits are to be taken in any graduate courses required or accepted by the Department of Philosophy for the granting of a master's degree.

### 3.12.18.6 Doctor of Philosophy (Ph.D.) 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 (18 credits)

PHIL 607	(6)	Pro-Seminar 1
PHIL 682	(6)	Pro-Seminar 3
PHIL 685	(3)	Fundamentals of Logic
PHIL 690	(3)	Candidacy Paper

#### Complementary Courses

(21-27 credits)

Students admitted to Ph.D. 1 require nine complementary courses.

Students admitted to Ph.D. 2 require seven complementary courses.

Minimum of two courses from the following

PHIL 651	(3)	Seminar: Ancient Philosophy 2
PHIL 656	(3)	Medieval Philosophy
PHIL 661	(3)	Seminar: 18th Century Philosophy
PHIL 667	(3)	Seminar: 19th Century Philosophy
PHIL 675	(3)	Seminar: Contemporary European Philosophy

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.



PHIL courses (21-27 credits):

At least 6 credits from:

PHIL 607***	(6)	Pro-Seminar 1
PHIL 651	(3)	Seminar: Ancient Philosophy 2
PHIL 656	(3)	Medieval Philosophy
PHIL 661	(3)	Seminar: 18th Century Philosophy
PHIL 667	(3)	Seminar: 19th Century Philosophy
PHIL 675	(3)	Seminar: Contemporary European Philosophy
PHIL 682***	(6)	Pro-Seminar 3

and/or any other course at the 500 lev

ENVR 614 (3) Mobilizing Research for Sustainability

0-3 credits from:

ENVR 585 (3) Readings in Environment 2

ENVR 630 (3) Civilization and Environment

ENVR 680 (3) Topics in Environment 4

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

### **3.12.18.8 Doctor of Philosophy (Ph.D.) Philosophy: Gender and Women's Studies**

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Philosophy who wish to earn 9 additional credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

#### **Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous



PHIL 643

(3)

Seminar: Medical Ethics  
Political

PHIL 656	(3)	Medieval Philosophy
PHIL 661	(3)	Seminar: 18th Century Philosophy
PHIL 667	(3)	Seminar: 19th Century Philosophy
PHIL 675	(3)	Seminar: Contemporary European Philosophy

and/or any other course at the 500, 600, or 700 level in the History of Philosophy recommended/accepted by the student's advisory committee.

Minimum of 6 credits from the following:

PHIL 627	(3)	Seminar: Critical Philosophy of Race
PHIL 643	(3)	Seminar: Medical Ethics
PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law

and/or any other course at the 500, 600, or 700 level in Value Theory recommended/accepted by the student's advisory committee.

Minimum of 6 credits from the following:

PHIL 610	(3)	Seminar on Advanced Logic 2
PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language

### **Language Requirement**

- Electoral Studies;
- Comparative Federalism;
- Constitutional Theory and Practice;
- International Peace and Security Studies;
- International Development;
- Nations and Nationalism;
- Health and Social Policy; and
- Identity Politics.

For a full list of our affiliated research centres and institutes, please consult our website: [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.

### **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 those who are interested in pursuing the Gender Studies option. 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).

#### ***section 3.12.19.5: Master of Arts (M.A.) Political Science (Thesis) (45 credits)***

The M.A. program is generally recognized as among the most demanding and rewarding in Canada. A main purpose of the M.A. degree is to demonstrate an ability to design and execute with competence a major piece of research, comparable to a full-length article in a scholarly journal. The length will vary with the nature of the topic. A thesis that contains considerable data analysis might be well developed in 50 pages, while an institutional or historical study would generally be longer.

#### ***section 3.12.19.6: Master of Arts (M.A.) Political Science (Thesis): Development Studies (45 credits)***

The Development Studies Option (DSO) is a cross-disciplinary M.A. program offered within existing M.A. programs in the Departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students take an interdisciplinary seminar (INTD 657 Development Studies Seminar) that will be co-taught by professors from two different disciplines and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO Coordinating Committee.

Students interested in development will benefit from the expertise provided by the Institute for the Study of International Development. For more information on the Institute, see [mcgill.ca/isid/teaching-programs/graduate/development-studies](http://mcgill.ca/isid/teaching-programs/graduate/development-studies).

#### ***section 3.12.19.7: Master of Arts (M.A.) Political Science (Thesis): European Studies (45 credits)***

The European Studies Option (ESO) is an option offered within existing M.A. programs in the Departments of Political Science, History, and Sociology, as well as in the Faculty of Law. This option is open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students will take an interdisciplinary capstone seminar and two other courses on European themes and issues as part of their M.A. program. Students enter through one of the participating departments and must meet the requirements of that unit. The M.A. thesis must be on a topic relating to European Studies, as approved by the ESO coordinating committee. Knowledge of French, while not a prerequisite, is an important asset for

*section 3.12.19.10: Master of Arts (M.A.) Political Science (Non-Thesis): European Studies (45 credits)*

The European Studies Option (ESO) is an option offered within existing M.A. programs in the Departments of Political Science, History, and Sociology, as well as in the Faculty of Law. This option is open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students 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.

*section 3.12.19.11: Master of Arts (M.A.) Political Science (Non-Thesis): Gender and Women's Studies (45 credits)*

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

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 (January 15). 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.

### **3.12.19.32 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](#) > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### *3.12.19.32.1 Additional Requirements*

A thesis is required to demonstrate proficiency in research. It is normally about 100 pages long and is subject to evaluation by one examiner internal to the Department and one examiner external to the Department.

POLI 697

(12)

M.A. Thesis Proposal

Master's

or a more suitable more advanced 500- or 600- level course or one of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Proseminar in Political Theory
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

9-12 credits of 500- or 600-level courses. A course list is available from the Department.

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.

### **3.12.19.7 Master of Arts (M.A.) Political Science (Thesis): European Studies (45 credits)**

The European Studies Option (ESO) is an option offered within existing M.A. programs in the Departments of Political Science, History, and Sociology, as well as in the Faculty of Law. This option is open to students whose work is focused on Europe, in particular on issues relating to European integration, broadly understood. Students 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)**

POLI 697	(12)	M.A. Thesis Proposal
POLI 698	(12)	Master's Thesis Submission

#### **Required Courses (6 credits)**

POLI 659	(3)	Interdisciplinary Seminar in European Studies
POLI 694	(3)	Research Preparation 1

#### **Complementary Courses (15 credits)**

3-6 credits, either of the following 3-credit options, or preferably both:

POLI 612	(3)	Research Methods in Political Science
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or a more suitable more advanced 500- or 600-level course.

or one of the following courses:

POLI 561	(3)	Seminar: Political Theory
POLI 613	(3)	Selected Themes: Political Theory
POLI 614	(3)	Proseminar in Political Theory
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

3-6 credits from the following group of courses on European politics:

POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 628	(3)	Comparative Politics
POLI 629	(3)	Post-Communist Transformations

POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Politics of Developed Areas
POLI 680	(3)	Social Change/Advanced Industrialized Democracies

6-9 credits at the 500, 600, or 700 level in courses in political science. A course list is av



**Required Courses (9 credits)**

INTD 657	(3)	Development Studies Seminar
POLI 691	(6)	Bibliographic Methods 1

**Complementary Courses (18 credits)**

3-6 credits, either of the following 3-credit options or, preferably, both:

, bothModeriticet50.52A0 0 1 221.9497Tm(42504.4(, bothAnalysis0 0 1 165.864 684.88504.4(, bothTj1 0 0 1 70.52 700

POLI 614	(3)	Proseminar in Political Theory
POLI 616	(3)	Modern Political Analysis
POLI 617	(3)	Problems in Political Theory

6-9 credits from the following group of courses on European Politics:

POLI 619	(3)	Immigrants / Refugees / Minorities
POLI 628	(3)	Comparative Politics
POLI 629	(3)	Post-Communist Transformations
POLI 630	(3)	Topics in European Politics
POLI 639	(3)	Politics of Developed Areas
POLI 680	(3)	Social Change/Advanced Industrialized Democracies

3-6 credits at the 500, 600, or 700 level in courses in the Department. A course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program approved by the Department.

**Master of Arts (M.A.) P**

9-12 credits at the 500- or 600-lev

**3.12.19.13 Doctor of Philosophy (Ph.D.) Political Science**

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**

POLI 700	(0)	PhD Research Seminar
POLI 701	(0)	Ph.D. General Written Examination First Field
POLI 702	(0)	Ph.D. General Written Examination Second Field
POLI 799	(0)	Ph.D. Oral Comprehensive Examination

**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:

POLI 612	(3)	Research Methods in Political Science
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or another suitable Advanced Methods course.

**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 adviser, the Graduate program Director, and the methods coordinator.

**3.12.19.14 Doctor of Philosophy (Ph.D.) Political Science: Gender and Women's Studies**

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, 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)

POLI 700	(0)	PhD Research Seminar
POLI 701	(0)	Ph.D. General Written Examination First Field
POLI 702	(0)	Ph.D. General Written Examination Second Field
POLI 799	(0)	Ph.D. Oral Comprehensive Examination
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

## Complementary Courses (33 credits)

33 credits at the 500 or 600 level



*section 15.12.9.7: Doctor of Philosophy (Ph.D.) Psychology: Behavioural Neuroscience*

intensive training at the intersection of psychology and neuroscience, thereby enhancing their expertise, the interdisciplinary potential of their dissertation

### **3.12.20.4 Psychology Faculty**

#### **Chair**

B. Ditto

#### **Graduate Program Director**

M. Sullivan

#### **Clinical Program Director**

R. Koestner

#### **Undergraduate Program Director**

J. Bartz

#### **Emeritus Professors**

F.E. Aboud; A.S. Bregman; D. Donderi; K.B.J. Franklin; F.H. Genesee; D.J. Levitin; ; D.S. Moskowitz; Y. Oshima-Takane; R.O. Pihl; J.O. Ramsay; T.R. Schultz; B. Sherwin; Y. Takane; N. White; D.C. Zuroff

#### **Retired Professors**

Rhonda Amsel; Andrew G. Baker; M.J. Mendelson

#### **Professors**

M. Baldwin; I.M. Binik; M. Dirks; B. Ditto; H. Hwang; B. Knäuper; R. K



**3.12.20.5 Master of Arts (M.A.) Psychology (Thesis) (45 credits)**

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a stage in the Ph.D. program. There is no M.A. or M.Sc. program in Clinical Psychology.

**Thesis Courses (27 credits)**

PSYC 690	(15)	Masters Research 1
PSYC 699	(12)	Masters Research 2

**Required Courses (18 credits)**

PSYC 601	(6)	Master's Comprehensive
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

**3.12.20.6 Doctor of Philosophy (Ph.D.) Psychology**

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

**Thesis**

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**

PSYC 701	(0)	Doctoral Comprehensive Examination
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**Complementary Courses**

12-24 credits

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

PSYC 712	(3)	Comparative and Physiological Psychology 3
PSYC 715	(3)	Comparative and Physiological Psychology 6
PSYC 722	(3)	Personality and Social Psychology
PSYC 723	(3)	Personality and Social Psychology
PSYC 724	(3)	Personality and Social Psychology
PSYC 725	(3)	Personality and Social Psychology
PSYC 727	(3)	Personality and Social Psychology
PSYC 728	(3)	Ethics and Professional Issues
PSYC 729	(3)	Theory of Assessment
PSYC 730	(3)	Clinical Neuroscience Methods
PSYC 732	(3)	Clinical Psychology 1
PSYC 733	(3)	Clinical Psychology 2

PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 740	(3)	Perception and Cognition
PSYC 741	(3)	Perception and Cognition
PSYC 742	(3)	Perception and Cognition
PSYC 743	(3)	Perception and Cognition
PSYC 744	(3)	Perception and Cognition
PSYC 746	(3)	Quantitative and Individual Differences
PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences
PSYC 749	(3)	Quantitative and Individual Differences
PSYC 750	(3)	Applied Bayesian Statistics
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

(3)	Advanced Statistics 1
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0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

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.

**Doctor of Philosophy (Ph.D.) Psychology:**

PSYC 741	(3)	Perception and Cognition
PSYC 742	(3)	Perception and Cognition
PSYC 743	(3)	Perception and Cognition
PSYC 744	(3)	Perception and Cognition
PSYC 746	(3)	Quantitative and Individual Differences
PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences
PSYC 749	(3)	Quantitative and Individual Differences
PSYC 750	(3)	Applied Bayesian Statistics
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1

At least 3 credits selected from the following list:

EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Instructed Second Language Acquisition Research
EDSL 632	(3)	Second Language Literacy Development

Topics in Education77131 035864 m(T)YC 755431 0 0 1 221.949 563418 PsychEducation77131 03418 PsychYC 75333

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

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):

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

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.

### 3.12.20.9 Doctor of Philosophy (Ph.D.) Psychology: Psychosocial Oncology

The Ph.D. thesis topic must be germane to psychosocial oncology and approved by the PSO coordinating committee.

#### Thesis

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)

NUR2 705	(3)	Palliative Care
NUR2 783	(3)	Psychosocial Oncology Research
PSYC 701	(0)	Doctoral Comprehensive Examination

One graduate seminar each term during Year 2 and Year 3 chosen from seminar courses PSYC 712 to PSYC 753.

Note: The Department of Psychology does not ordinarily require an examination in a foreign language; however, all students planning on practising clinical psychology in the province of Quebec will be examined based on their proficiency in French before being admitted to the professional association.

Note: If the student has a non-McGill master's then the following courses are also required:

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

#### Complementary Course (3 credits)

One of the following courses:

PSYC 507	(3)	Emotions, Stress, and Illness
PSYC 753	(3)	Health Psychology Seminar 1
SWRK 609	(3)	Understanding Social Care
SWRK 668	(3)	Living with Illness, Loss and Bereavement

## **3.12.21 Public Policy**

### **3.12.21.1 Location**

Max Bell School of Public Policy  
McGill University  
680 Sherbrooke Street West, Suite 600  
Montreal QC, Canada H3A 2M7  
Telephone: 514-398-1937  
Email: [maxbell.school@mcgill.ca](mailto:maxbell.school@mcgill.ca)  
Website: [mcgill.ca/maxbellschool](http://mcgill.ca/maxbellschool)

#### **3.12.21.1.1 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 polic

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.

### **3.12.21.23 Application Dates and Deadlines**

The deadline to complete your application is January 15th or February 1st, 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).

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

### **3.12.21.3 Public Policy Faculty**

#### **Director**

Christopher T.S. Ragan

#### **Graduate Program Director**

Andrew Potter

#### **Faculty**

Nathalie Duchesnay; Pearl Eliadis; Leslie Fierro; Taylor Owen; Andrew Potter; Daniel Weinstock; Jennifer Welsh

### **3.12.21.4 Master of Public Policy (M.P.P.) Public Policy (Non-Thesis) (45 credits)**

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 v

3 credits selected from the following courses:

- PPOL 605 (3) Analytical Methods for Policy Evaluation
- PPOL 608 (3) Theory and Practice of Program Evaluation

4 credits from the following courses:

- PPOL 631 (1) Policy Case Study 1
- PPOL 632 (1) Policy Case Study 2



benefit from the network of researchers part of the McGill-based Centre for Interdisciplinary Research on Montreal (CIRM) located in the same building as Quebec Studies.

The program is offered at the undergraduate level. Should their main field of study be Quebec, graduate students must apply to the relevant departments.

Graduate students taking courses dealing in whole or in part with Quebec, or who are studying Quebec as their special field of study, are welcome to make use of the facilities of the Quebec Studies program.

Le Programme d'études sur le Québec (PÉQ) est issu du Centre d'études canadiennes-françaises créé en 1963 à McGill. En collaboration avec plusieurs départements de l'Université, il tra

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, 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.**

The S.T.M. program has no additional language requirement.

#### *section 3.12.23.5: Master of Arts (M.A.) Religious Studies (Thesis) (45 credits)*

The purpose of the M.A. (Thesis) degree is to encourage advanced study and research in one of the disciplines of Religious Studies for those who wish to become scholars or teachers, or will be engaged in some field of religious or public service. The M.A. (Thesis) program in Religious Studies offers a specialization in Bioethics and an option in Gender and Women's Studies.

#### *section 3.12.23.6: Master of Arts (M.A.) Religious Studies (Thesis): Bioethics /F4 8.1 Tf1 0 0 m(.M.)Tj/F1 8.Thesis) program 1 0 0 1 251.83 T.eam7ld s)ntMe1 RG*

### ***section 3.12.23.11: Doctor of Philosophy (Ph.D.) Religious Studies: Gender and Women's Studies***

The graduate option in Gender and Women's Studies is an interdisciplinary program for students meeting the degree requirements in Religious Studies who wish to focus on gender-related issues and feminist research and methodologies. Research focus is on a topic relating to gender issues or women's studies.

### **3.12.23.3 Religious Studies Admission Requirements and Application Procedures**

#### **3.12.23.3.1 Admission Requirements**

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

Applicants must possess a B.A. with a Major or Honours in Religious Studies or a Bachelor of Theology (B.Th.), or a Master of Divinity (M.Div.) degree, normally with a minimum CGPA of 3.3/4.0 (B+) from an accredited university or college. Applicants with fewer than 30 appropriate credits in Religious Studies or Theology are normally required to 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:

3690 Peel Street  
 Montreal QC H3A 1W9  
 Telephone: 514-398-6980  
 Fax: 514-398-8349  
 Email: [jennifer.fishman@mcgill.ca](mailto:jennifer.fishman@mcgill.ca)  
 Website: [mcgill.ca/biomedicalethicsunit](http://mcgill.ca/biomedicalethicsunit)

##### **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 involved not less than six (6) courses (18 credits).

It is recommended that a foreign language related to the area of study be included in the bachelor's or master's work preceding doctoral study.

Applicants for doctoral programs are requested to submit a substantial sample of their scholarly writing (30 pages) with their application. The application should specify one of the specializations listed in [section 3.12.23.2: 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 involved not less than six (6) courses (18 credits).

It is recommended that a foreign language related to the area of study be included in the bachelor's or master's work preceding doctoral study.

Applicants for doctoral programs are requested to submit a substantial sample of their scholarly writing (30 pages) with their application. The application should specify one of the specializations listed in [section 3.12.23.2: 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/international/proficiency](http://mcgill.ca/gradapplicants/international/proficiency).

### **3.12.23.3.2 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](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### **3.12.23.3.2.1 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.

### **3.12.23.3.3 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/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.

### **3.12.23.4 Religious Studies Faculty**

#### **Director**

Garth W. Green

#### **Graduate Program Director and Admissions Chair**

Daniel Cere and Hamsa Stainton

#### **Administrative Officer**

Francesca Maniaci

#### **Emeritus Professors**

Douglas J. Hall; Donna Runnalls; Frederik Wisse; Katherine K. Young

#### **Professor (Post-Retirement)**

G. Victor Hori

#### **Professors**

Douglas B. Farrow; W.J. Torrance Kirby; Gerbern S. Oegema; Armando Salvatore;

## **Affiliate Members**

Pierpaolo Ciccarelli; Roland De Vries; George Di Giovanni; Karen Finch; Roberto Formisano;

RELG 698	(9)	Thesis Research 3
RELG 699	(12)	Thesis Research 4

### Required Courses

6 credits from:

RELG 645	(3)	Methods in Religious Studies
WMST 601	(3)	Feminist Theories and Methods

### Complementary Courses

12 credits selected from the 500- or 600-level courses accepted by the School of Religious Studies for the granting of a master's degree. Must include within the 12 credits:

Either

WMST 602	(3)	Feminist Research Symposium
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or 3 credits of another 500- or 600-level course in Gender and Women's Studies.

### 3.12.23.8 Master of Arts (M.A.) Religious Studies (Non-Thesis) (45 credits)

#### Research Project (9 credits)

RELG 660	(3)	M.A. Research Paper 1
RELG 661	(3)	M.A. Research Paper 2
RELG 662	(3)	M.A. Research Paper 3

#### Required Courses (6 credits)

RELG 555	(3)	Honours Seminar
RELG 645	(3)	Methods in Religious Studies

#### Complementary Courses (30 credits)

30 credits of courses selected from the 500- or 600-level courses accepted by the School of Religious Studies for the granting of a master's degree.

#### Language Requirement

Students are required to give a grant by the Schooord to34F1 8RELittee 0.302 294.065 3m(Masj1 0 0 1 156iredcede)T4F1d's dkno.302 294.065 (361sj1 0 0 1 15wledge

**Complementary Courses (30 credits)**

**Required Courses**

RELG 701	(0)	Major Comprehensive Examination
RELG 702	(0)	Minor Comprehensive Examination
RELG 703	(0)	Oral Comprehensive Examination
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

**Students admitted to Ph.D. 1**

Students admitted to Ph.D. 1 take a minimum of six (3-credit) graduate seminars duringimul their fireseyh S Methnimum of six FTj-credit) graduate seminars dur1 0 0/F



interaction with Department members and other graduate students, exposure to the other disciplines that are represented in the Department. The Department aims to instill in its graduates a combination of disciplinary competence and interdisciplinary perspective.

***section 3.12.1.9: Master of Arts (M.A.) Medical Anthropology (Thesis) (45 credits)***

The program is open to students with backgrounds in the social sciences, the medical professions, or the medical sciences. The M.A. degree is awarded by the Anthropology Department and admission is granted by a joint Admissions Committee made up of representatives from Anthropology and the Department of Social Studies of Medicine.

***section 3.12.26.8: Master of Arts (M.A.) Medical Sociology (Thesis) (45 credits)***

This includes coursework and a research thesis that is based on original research.

***section 3.12.26.12: Master of Arts (M.A.) Medical Sociology (Non-Thesis) (45 credits)***

This includes coursework and a research paper based on original research.

**Ph.D. Programs**

For information on the doctoral programs, please refer to the appropriate Department – [section 3.12.1: Anthropology](#) or [section 3.12.26: Sociology](#).

**3.12.24.3 Social Studies of Medicine Admission Requirements and Application Procedures**

**3.12.24.3.1 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: [section 3.12.1: Anthropology](#), or [section 3.12.26: Sociology](#).

**3.12.24.3.2 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: [section 3.12.1: Anthropology](#), or [section 3.12.26: Sociology](#).

**3.12.24.3.3 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.

**3.12.24.4 Social Studies of Medicine Faculty**

**Chair**

Thomas Schlich

**Emeritus Professors**

Margaret Lock; Faith Wallis; Allan Young

**Professors**

Annamarie Adams; Alberto Cambrosio; Todd Meyers; Thomas Schlich; Andrea Tone; George Weisz



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 in order to promote the development of scholarship on social issues within 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 have the opportunity of taking courses at all three universities.

The program aims to:

1. prepare graduates for careers in university teaching and research, policy development, implementation and evaluation, practice and program evaluation,

**section 3.12.25.13: Doctor of Philosophy (Ph.D.) Social Work: McGill/UdeM/UQAM (offered jointly by McGill, Université de Montréal, and Université du Québec à Montréal)**

As one of the top Ph.D. programs in Canada, the School of Social Work promotes leading scholarship on social policy and practice. Students work closely with their supervisor, pursuing individualized programs of study, which include coursework, research, and professional development. Faculty have expertise in a variety of areas such as aging; social exclusion; child welfare; international social welfare; Indigenous people and communities; violence against women and children; health and disability; poverty and social development; migration; and community organizing. Students normally take two semesters of coursework after which they complete a comprehensive exam. In the second year of the program, students begin their thesis work and take a course designed to facilitate the research process. Research and writing usually takes 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.

### **3.12.25.3 Social Work Admission Requirements and Application Procedures**

#### **3.12.25.3.1 Admission Requirements**

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. 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, McGill's institutional code is **0935**.

- Test of English as a Foreign Language (TOEFL)—International applicants must achieve a minimum score of 96\* on the Internet-based test.  
\* Each individual component of reading, writing, listening, and speaking must have a minimum score of 24.
- The International English Language Testing System (IELTS)—International applicants must achieve a minimum overall band score of 8.0\*\*.  
\*\* Each individual component of reading, writing, listening, and speaking must have a minimum score of 7.5.

#### **Qualifying Year of Study for Admission to the M.S.W. (Non-Thesis) Program**



**Note:** The Qualifying Year is currently closed for admissions

Applicants who have successfully completed a DCS/DEC from CEGEP plus a minimum of a 90-credit or three-year university degree or a high school diploma plus a minimum of a 120-credit or 4-year university degree prior to 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 prior to admission.

#### **M.S.W. (Thesis) and (Non-Thesis) Programs**

Applicants who have successfully 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 prior to 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 courses, and have successfully fulfilled all fieldwork requirements.

#### **M.Sc.A. Program**

The master's in Couple and Family Therapy is designed to allow students with an M.S.W. degree, or an equivalent graduate level degree, to receive advanced credit and be eligible for Advanced level entry (minimum of 45 credits) taken over three terms. 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





EDPC 503	(3)	Intersectional Relationships and Sexualities
SWRK 621	(3)	Seminar on Trauma and Resilience
SWRK 628	(3)	Violence against Women
SWRK 635	(3)	Advanced Clinical Seminar: Use of Self
SWRK 655	(3)	Seminar on Aging
SWRK 657	(3)	Child and Adolescent Mental Health
SWRK 668	(3)	Living with Illness, Loss and Bereavement
SWRK 669	(3)	Disability and Rehabilitation
SWRK 670	(3)	Seminar on Caregiving

### **3.12.25.7 Master of Social Work (M.S.W.) Social Work (Thesis) (45 credits)**

The School of Social Work at McGill University prepares graduates for careers and leadership in the fields of social work and social welfare. In the M.S.W. program, students develop an understanding of a broad range of theories which inform practice, policy, and research. Envisioned as an opportunity to advance knowledge and skills, students are encouraged to immerse themselves in an area of scholarship and practice related to "Children and Families," "Social Care and Health Studies," and "Community and International Development." In addition, students investigate a subject matter of their choice in one of these broad areas of study through an independent study project or a master's thesis. Through the M.S.W. program, students develop critical and innovative approaches to practice competence and to policy analysis such that they may contribute to both established social services and to new and less developed areas of service provision.

#### **Thesis Courses (27 credits)**

SWRK 698	(12)	Thesis Research 1
SWRK 699	(15)	Thesis Research 2

#### **Required Courses (6 credits)**

SWRK 605	(3)	Anti-Racist Social Work Practice
SWRK 653	(3)	Research Methods 1

#### **Complementary Courses (12 credits)**

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 from the following:

WMST 602                    (3)                    Feminist Research Symposium

OR 3 credits of 500- or 600-level WMST courses;

OR 3 credits of 500- or 600-level WMST courses in another department or discipline with the approval of a Social Work M.S.W. adviser that has been approved as a complementary course to the Option in Gender and Women's Studies.

6 credits of 500- or 600-level courses selected from the School of Social Work.

**Master of Social Work (M.S.W.) Social Work (Non-Thesis) (45 credits)**



SWRK 605	(3)	Anti-Racist Social Work Practice
SWRK 650	(3)	Field Work Practicum 1
SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3
WMST 601	(3)	Feminist Theories and Methods

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 (15 credits)**

3 credits from the following:

WMST 602	(3)	Feminist Research Symposium
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OR

3 credits of WMST at the 500 or 600 level;

OR

3 credits in another department approved as a complementary course to the Option in Gender and W

**3.12.25.12 Bachelor of Law (B.C.L.)/Juris Doctor (J.D.) & Master of Social Work (M.S.W.) (Joint B.C.L./J.D. & M.S.W.) Law & Social Work (Non-Thesis) (132 credits)**

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)**

SWRK 605	(3)	Anti-Racist Social Work Practice
SWRK 650	(3)	Field Work Practicum 1
SWRK 651	(3)	Field Work Practicum 2
SWRK 653	(3)	Research Methods 1
SWRK 660	(6)	Field Work Practicum 3
SWRK 691	(12)	Social Work / Law Independent Study Project

**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 (46 credits)**

## First Year

The following 32 credits of courses may be taken only in the first year:

LAWG 100D1	(3)	Contractual Obligations
LAWG 100D2	(3)	Contractual Obligations
LAWG 101D1	(3)	Extra-Contractual Obligations/Torts
LAWG 101D2	(3)	Extra-Contractual Obligations/Torts
LAWG 102D1	(3)	Criminal Justice
LAWG 102D2	(3)	Criminal Justice
LAWG 110D1	(1.5)	Integration Workshop
LAWG 110D2	(1.5)	Integration Workshop
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB3 116D1	(0)	
PUB3 116D2	(0)	

## Second Year

The following 13 credits of courses may be taken only in the second year:

LAWG 210	(3)	Legal Ethics and Professionalism
LAWG 220D1	(3)	Property
LAWG 220D2	(3)	Property
PROC 124	(4)	Judicial Institutions and Civil Procedure

The following 1 credit course may be taken in any year after completing the first year:

PRAC 200	(1)	Advocacy
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**Complementary Courses (12 credits)**

## Civil Law Immersion Courses

3 credits from the following list of civil law courses:

BUS2 561	(3)	Insurance
LAWG 506	(3)	Advanced Civil Law Property
PROC 200	(3)	Advanced Civil Law Obligations
PROC 549	(3)	Lease, Enterprise, Suretyship
PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

## Common Law Immersion Courses

3 credits from the following list of common law courses:

PRV3 200	(3)	Advanced Common Law Obligations
PRV3 534	(3)	Remedies
PRV4 500	(3)	Restitution
PRV4 549	(3)	Equity and Trusts

## Social Diversity, Human Rights and Indigenous Law Courses

3 credits from the following courses:

CMPL 500	(3)	Indigenous Peoples and the State
CMPL 504	(3)	Feminist Legal Theory
CMPL 511	(3)	Social Diversity and Law
CMPL 516	(3)	International Development Law
CMPL 565	(3)	International Humanitarian Law
CMPL 571	(3)	International Law of Human Rights
CMPL 573	(3)	Civil Liberties
CMPL 575	(3)	Discrimination and the Law
IDFC 500	(3)	Indigenous Field Studies
LAWG 503	(3)	Inter-American Human Rights
LAWG 505	(3)	Critical Engagements with Human Rights
LAWG 507	(3)	Critical Race Theory Advanced Seminar
LEEL 369	(3)	Labour Law
LEEL 582	(3)	Law and Poverty
PUB2 105	(3)	Public International Law
PUB2 500	(3)	Law and Psychiatry
PUB2 502	(3)	International Criminal Law
PUB2 551	(3)	Immigration and Refugee Law
PUB3 515	(3)	Canadian Charter of Rights and Freedoms

## Principles of Canadian Administrative Law

3 credits from the following courses:

BUS1 532	(3)	Bankruptcy and Insolvency
BUS2 504	(3)	Securities Regulation
CMPL 543	(3)	Law and Practice of International Trade
CMPL 574	(3)	Government Control of Business
CMPL 575	(3)	Discrimination and the Law
CMPL 577	(3)	Communications Law
CMPL 580	(3)	Environment and the Law
LEEL 369	(3)	Labour Law
LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty
PRV4 545	(3)	Land Use Planning
PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process Judicial Review of

One of the following courses:

SWRK 724	(3)	Advanced Research Methods and Analysis: Quantitative Data
SWRK 725	(3)	Advanced Qualitative Research Methods and Data Analysis

One course in Social Work or a related discipline.

### **3.12.26 Sociology**

#### **3.12.26.1 Location**

Department of Sociology  
Stephen Leacock Building, Room 712  
855 Sherbrooke Street West  
Montreal QC H3A 2T7  
Canada  
Graduate Program and Admission Information:  
Telephone: 514-396-1828  
Fax: 514-398-7476  
Email: [graduate.sociology@mcgill.ca](mailto:graduate.sociology@mcgill.ca)  
Website: [mcgill.ca/sociology](http://mcgill.ca/sociology)

#### **3.12.26.2 About Sociology**

The Department offers training leading to the following degrees:

- Master of Arts in Medical Sociology (Thesis and Non-Thesis) 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 (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 CEnde and

*section 3.12.26.5: Master of Arts (M.A.) Sociology (Thesis) (45 credits)*

This program provides excellent methodological training, but is principally designed for students who wish to gain a first experience doing original research. Some students have stopped at this stage; more have gone on to higher degree work. Researching and writing a thesis requires considerable effort, and this program typically takes two years to complete.

*section 3.12.26.6: Master of Arts (M.A.) Sociology (Thesis): Development Studies (45 credits)*

This program is for students with a particular interest in development—an area in which McGill is very strong. Researching and writing a thesis takes considerable time, and this program typically takes two years to complete. Students enter through one of the participating departments and must meet the M.A. requirements of that unit students enteggenteggentegr.to higher de

***section 3.12.26.14: Doctor of Philosophy (Ph.D.) Sociology***

standards required by the Department. Our Social Statistics Laboratory allows students to make systematic use of quantitative data sources. All students must pass two area exams and present a thesis proposal before turning to the thesis itself, which may take the form of a single piece of research, or a set of articles on a particular theme.

***section 3.12.26.15: Doctor of Philosophy (Ph.D.) Sociology: Gender and Women's Studies***

This interdisciplinary program is for students who meet the Ph.D. requirements in Sociology and who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and on issues in feminist research and methods. The thesis or set of articles must relate to issues of gender and/or women's studies.

***section 3.12.26.16: Doctor of Philosophy (Ph.D.) Sociology: Population Dynamics***

This program aims to provide advanced 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 substantive overview 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 focuses on a particular population issue such as population health, migration, aging, family dynamics, and/or 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 approv

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.

### 3.12.26.4 Sociology Faculty

#### Chair

Shelley Clark

#### Undergraduate Program Director

Barry Eidlin

#### Graduate Program Director

Thomas Soehl

#### Professors

Shelley Clark; Matthew Lange; Amélie Quesnel-Vallée; Eran Shor; Michael Smith; Axel van den Berg; Morton Weinfeld

#### Associate Professors

Sarah Brauner-Otto; Jason Carmichael; Aniruddha (Bobby) Das; Barry Eidlin; Jennifer Elrick; Thomas Soehl; Zoua Vang; Elaine Weiner

#### Assistant Professors

Milos Brocic; Alexis Dennis; Peter McMahan; Isabelle Pike

#### Associate Members

Alberto Cambrosio; Jennifer Fishman; Matissa Hollister; Anthony Masi

#### Adjunct Professor

Lara Gautier; Claudia Masferrer; Luca Maria Pessando

#### Emeritus Professors

Celine Le Bourdais; John A. Hall; Maurice Pinard

#### Faculty Lecturer

Ina Filkobski

### 3.12.26.5 Master of Arts (M.A.) Sociology (Thesis) (45 credits)

#### Thesis Courses (30 credits)

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

#### Required Courses (12 credits)

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology



SOCI 652

(3)

Current Sociological Theory

All students must have taken the required courses or take them during the first year of the program. Students granted an exemption from an

**Thesis Courses (30 credits)**

SOCI 690	(3)	M.A. Thesis 1
SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

**Required Courses (15 credits)**

INTD 657	(3)	Development Studies Seminar
SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600*	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**3.12.26.7 Master of Arts (M.A.) Sociology (Thesis): Gender and Women's Studies (45 credits)****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.

SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 694	(18)	M.A. Thesis 5

**Required Courses (15 credits)**

SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600*	(3)	Qualitative Research Methods 1
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory
WMST 601	(3)	Feminist Theories and Methods

\* All students must have taken these courses or take them during the first year of the program. Students granted 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:

WMST 602	(3)	Feminist Research Symposium
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or one 3 credit course on gender/women's studies issues at the 500, 600, or 700 level (may be taken outside the Department).

**3.12.26.8 Master of Arts (M.A.) Medical Sociology (Thesis) (45 credits)**

SOCI 652 (3) Current Sociological Theory

All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

### Complementary Courses (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.

SOCI 506	(3)	Quantitative Methods 3
SOCI 507	(3)	Social Change
SOCI 508	(3)	Medical Sociology and Social Psychiatry
SOCI 510	(3)	Seminar in Social Stratification
SOCI 512	(3)	Ethnicity and Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 514	(3)	Criminology
SOCI 515	(3)	Medicine and Society
SOCI 519	(3)	Gender and Globalization
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 526	(3)	Indigenous Women's Health and Healthcare
SOCI 529	(3)	Political Sociology 1
SOCI 530	(3)	Sex and Gender
SOCI 535	(3)	Sociology of the Family
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge
SOCI 545	(3)	Sociology of Population
SOCI 550	(3)	Developing Societies
SOCI 555	(3)	Comparative Historical Sociology
SOCI 560	(3)	Labour and Globalization
SOCI 571	(3)	Deviance and Social Control
SOCI 588	(3)	Biosociology/Biodemography
SOCI 590	(3)	Social Conflict and Violence
SOCI 595	(3)	Immigration Control and The State
SOCI 601	(3)	Qualitative Research Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models
SOCI 624	(3)	Social Networks
SOCI 631D1	(3)	Informing Social Policy with Canadian Data
SOCI 631D2	(3)	Informing Social Policy with Canadian Data
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

### 3.12.26.10 Master of Arts (M.A.) Sociology (Non-Thesis): Development Studies (45 credits)

The research essay must be on a topic relating to development studies, approved by the Development Studies Option (DSO) coordinating committee.

### Research Project (18 credits)

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

**Required Courses (21 credits)**

INTD 657	(3)	Development Studies Seminar
SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600*	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1*	(0)	Professional Development Seminar in Sociology
SOCI 625D2*	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Courses (6 credits)**

6 credits of complementary courses at the 500, 600, or 700 level.

Assignments in the selected courses should focus topically on development issues.

**3.12.26.11 Master of Arts (M.A.) Sociology (Non-Thesis): Gender and Women's Studies (45 credits)****Research Project (18 credits)**

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

**Required Courses (21 credits)**

SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory
WMST 601	(3)	Feminist Theories and Methods

\* All students must have taken these courses or take them during the first year of the program. Students granted 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:

WMST 602	(3)	Feminist Research Symposium
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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).

**3.12.26.12 Master of Arts (M.A.) Medical Sociology (Non-Thesis) (45 credits)**

This program is given jointly by the Sociology Department and the Department of Social Studies of Medicine.

**Research Project (18 credits)**

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

**Required Courses (18 credits)**

SOCI 504*	(3)	Quantitative Methods 1
SOCI 580*	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 652*	(3)	Current Sociological Theory

\* All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

**Complementary Courses (9 credits)**

3 credits, ONE of the following courses:

SOCI 515	(3)	Medicine and Society
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge

3 credits, one graduate-level course in History of Medicine.

3 credits, one graduate-level course in Social Studies of Medicine.

**3.12.26.13 Master of Arts (M.A.) Sociology (Non-Thesis): Population Dynamics (45 credits)**

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)**

SOCI 696	(3)	Research Paper 1
SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 4

**Required Courses (24 credits)**

SOCI 504	(3)	Quantitative Methods 1
SOCI 545	(3)	Sociology of Population

SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 603	(3)	Bibliographic Methods 1
SOCI 604	(3)	Bibliographic Methods 2
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 626	(3)	Demographic Methods
SOCI 652	(3)	Current Sociological Theory

All students must have taken these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar at the 500 level or higher in its place.

### Complementary Course (3 credits)

3 credits at the 500 level or higher related to population dynamics selected from the following:

ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4
ECON 741	(3)	Advanced Labour Economics
ECON 742	(3)	Empirical Microeconomics
ECON 744	(3)	Health Economics
EPIB 648	(3)	Methods in Social Epidemiology
EPIB 681	(3)	Global Health: Epidemiological Research
PPHS 501	(3)	Population Health and Epidemiology
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 529	(3)	Global Environmental Health and Burden of Disease
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
SOCI 502	(3)	Sociology of Fertility
SOCI 512	(3)	Ethnicity and Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 526	(3)	Indigenous Women's Health and Healthcare
SOCI 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

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

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.

SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 702	(0)	Ph.D. Proposal Approval
SOCI 703	(0)	Bibliographic Methods 3
SOCI 704	(0)	Bibliographic Methods 4
SOCI 705	(0)	PhD Comprehensive Examination

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 by August of their Ph.D. 3 year. These sub-fields will be chosen from the Department's areas of specialization.



SOCI 588	(3)	Biosociology/Biodemography
SOCI 590	(3)	Social Conflict and Violence
SOCI 595	(3)	Immigration Control and The State
SOCI 601	(3)	Qualitative Research Methods 2
SOCI 620	(3)	Quantitative Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models
SOCI 624	(3)	Social Networks
SOCI 626	(3)	Demographic Methods
SOCI 631D1	(3)	Informing Social Policy with Canadian Data
SOCI 631D2	(3)	Informing Social Policy with Canadian Data
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

6 credits from one of the following streams:

Qualitative Stream

3 credits from the following:

SOCI 601	(3)	Qualitative Research Methods 2
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SOCI 602	(3)	Qualitative Research Methods 1
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AND

3 credits from the following:

SOCI 620	(3)	Quantitative Methods 2
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SOCI 621	(3)	Fixed and Random Effects
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**Quantitative Stream**

6 credits from the following:

SOCI 620

(3)

Quantitative Methods 2

Fixed and Random Ef

SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

0-12 credits from the following:

SOCI 504	(3)	Quantitative Methods 1
SOCI 580	(3)	Social Research Design and Practice
SOCI 600	(3)	Qualitative Research Methods 1
SOCI 652	(3)	Current Sociological Theory

If you are admitted at the Ph.D. 1 level and an exemption is obtained for one or more of the four courses above, another one, at the 500-level or higher, must then be substituted in its place.

### 3.12.26.16 Doctor of Philosophy (Ph.D.) Sociology: Population Dynamics

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.

SOCI 545	(3)	Sociology of Population
SOCI 625D1	(0)	Professional Development Seminar in Sociology
SOCI 625D2	(0)	Professional Development Seminar in Sociology
SOCI 626	(3)	Demographic Methods
SOCI 702	(0)	Ph.D. Proposal Approval
SOCI 703	(0)	Bibliographic Methods 3
SOCI 704	(0)	Bibliographic Methods 4
SOCI 705	(0)	PhD Comprehensive Examination

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

SOCI 508	(3)	Medical Sociology and Social Psychiatry
SOCI 510	(3)	Seminar in Social Stratification
SOCI 512	(3)	Ethnicity and Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 514	(3)	Criminology
SOCI 515	(3)	Medicine and Society
SOCI 516	(3)	Sociological Theory and Research
SOCI 519	(3)	Gender and Globalization
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective
SOCI 526	(3)	Indigenous Women's Health and Healthcare
SOCI 529	(3)	Political Sociology 1
SOCI 530	(3)	Sex and Gender
SOCI 535	(3)	Sociology of the Family
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge
SOCI 545	(3)	Sociology of Population
SOCI 550	(3)	Developing Societies
SOCI 555	(3)	Comparative Historical Sociology
SOCI 571	(3)	Deviance and Social Control
SOCI 588	(3)	Biosociology/Biodemography
SOCI 590	(3)	Social Conflict and Violence
SOCI 601	(3)	Qualitative Research Methods 2
SOCI 620	(3)	Quantitative Methods 2
SOCI 621	(3)	Fixed and Random Effects
SOCI 622	(3)	Event History Analysis
SOCI 623	(3)	Latent Variable Models
SOCI 624	(3)	Social Networks
SOCI 631D1	(3)	Informing Social Policy with Canadian Data
SOCI 631D2	(3)	Informing Social Policy with Canadian Data
SOCI 720	(3)	Reading in Social Theory
SOCI 730	(3)	Reading and Research

3 credits must be related to population dynamics from the list below:

ECON 634	(3)	Economic Development 3
ECON 641	(3)	Labour Economics
ECON 734	(3)	Economic Development 4
ECON 741	(3)	Advanced Labour Economics
ECON 742	(3)	Empirical Microeconomics
ECON 744	(3)	Health Economics
EPIB 648	(3)	Methods in Social Epidemiology
EPIB 681	(3)	Global Health: Epidemiological Research
PPHS 501	(3)	Population Health and Epidemiology

PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 529	(3)	Global Environmental Health and Burden of Disease
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
SOCI 502	(3)	Sociology of Fertility
SOCI 512	(3)	Ethnicity and Public Policy
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
		Migration and Immigrant Group

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## 4 Faculty of Dental Medicine and Oral Health Sciences

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### 4.1 Dean's Welcome

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Associate Provost (Graduate Education) and Dean, Gr*

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#### 4.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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#### 4.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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#### 4.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) 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.

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#### 4.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources > Graduate > section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships.



- ii. 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.
- iii. 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**

- i. 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](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation P](#)

- 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.

v. 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.

vi. 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/students/srr](http://mcgill.ca/students/srr), and the Graduate and Postdoctoral Studies [University Regulations and Resources](#);
- to submit a complete file for registration 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.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

### 4.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

### 4.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

### 4.8.5 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 the Doctoral degree or 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.

**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 from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. 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 Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

#### General Conditions

- The maximum duration is three years.
- 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 professor to supervise the research and of the Unit.
- The individual must have adequate proficiency in English, but is 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.

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## 4.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensiv



*section 4.12.1.7: Doctor of Philosophy (Ph.D.) Oral Health Sciences*

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.

**4.12.1.3 Dental Admission Requirements and Application Procedures**

**4.12.1.3.1 Admission Requirements**

**M.Sc. in Dental Sciences**

**Emeritus Professors**

K.C. Bentley, F. Cerv

**Complementary Courses (6-15 credits)**

6-15 credits chosen from the following courses:

DENT 504	(3)	Biomaterials and Bioperformance
DENT 509	(3)	Epidemiology and Data Analysis in Primary Care 2
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 664	(1)	Health Research Communications
DENT 665	(1)	Leadership and Management Skills in Research
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 679	(3)	Epidemiology and Data Analysis in Primary Care 3
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
DENT 686	(2)	Illness Experience and Social Determinants of Health
DENT 688	(3)	Bone Mechanobiology
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 635	(3)	Clinical Trials
EXMD 610	(3)	Molecular Methods in Medical Research

Other complementary 500- or 600-level courses may be taken.

DENT 509

- (3) Epidemiology and Data Analysis in Primary Care 2
- (3) Applied Qualitative Health Research



DENT 786D2 (3) Foundations in Oral Health Science

**Complementary Courses (6-12 credits)**

\* 6-12 credits from the following:

DENT 504	(3)	Biomaterials and Bioperformance
DENT 610	(3)	Introduction to Craniofacial Research
DENT 654	(3)	Mechanisms and Management of Pain
DENT 669	(3)	Extracellular Matrix Biology
DENT 672	(1)	Applied Mixed Methods in Health Research
DENT 681	(1)	Readings in Dentistry and Health Research 1
DENT 682	(2)	Readings in Dentistry and Health Research 2
DENT 683	(3)	Readings in Dentistry and Health Research 3
DENT 685	(3)	Theory of Dental Public Health
DENT 688	(3)	Bone Mechanobiology
DENT 706	(3)	Advanced Seminar in Qualitative Health Research

\* 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.

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**5 Faculty of Education**

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### 5.2.2 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.

### 5.2.3 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.

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## 5.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](http://mcgill.ca/importantdates).

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## 5.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 5.5 Program Requirements

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 5.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.4: Graduate Admissions and Application Procedures](#) 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.

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## 5.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have access to the services provided by the Ombudsperson.
- x. 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.
- xi. 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**

- i. Postdocs are subject to the responsibilities outlined at [mcgill.ca/students/srr](http://mcgill.ca/students/srr) and must abide by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).
- ii. Each academic unit hosting postdocs should clearly identify postdocs' needs and the means by which they will be met by the unit.

#### **5.8.4 Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

#### **5.8.5 Postdoctoral Research Trainees**

##### **Eligibility**

- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 5.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics

Email for admissions inquiries: [admissions.ecp@mcgill.ca](mailto:admissions.ecp@mcgill.ca)

Website: [mcgill.ca/edu-ecp](http://mcgill.ca/edu-ecp)

#### **5.12.1.2 About Educational and Counselling Psychology**

The Department of Educational and Counselling Psychology (ECP) programs and research examine the interplay between complex human systems (cognitive, social, emotional, behavioural, and biological) to maximize (a) learning, (b) wellness, and (c) 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, you 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

### 3. School/Applied Child Psychology

#### Postdoctoral Degrees

The Department of Educational and Counselling Psychology offers one postdoctoral diploma:

- Post-Ph.D. Graduate Diploma in School/Applied Child Psychology (\*\*Admission to this program is currently suspended.\*\*)

#### Graduate Student Policies and Responsibilities

In addition to 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 (MA thesis, MA Non-Thesis Project, and PhD 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 view our website at [mcgill.ca/edu-ecp/prospective](http://mcgill.ca/edu-ecp/prospective).

Please contact us at [admissions.ecp@mcgill.ca](mailto:admissions.ecp@mcgill.ca) for any questions related to the admissions process for any of the above programs.

#### Professional Accreditation

The MA in Counselling Psychology–Professional/Internship concentration (non-thesis) qualifies graduates for membership in the *Ordre des conseillers et conseillères d'orientation du Québec* (OCCOQ). (\*\*Admission to this program is currently suspended.\*\*). 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:

##### **OCCOQ**

1600 Henri Bourassa Blvd. West, Suite 520  
Montreal QC H3M 3E2, Canada  
Telephone: 514-737-4717; 1-800-363-2643  
Email:



***section 5.12.1.6: Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Project (60 credits)***

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 orders that certify either guidance counsellors (OCCOQ) or psychologists (OPQ) in Quebec.

For further information, consult the [website](#).

***section 5.12.1.7: Doctor of Philosophy (Ph.D.) Counselling Psychology***

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. Practise from a 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.

For further information, consult the [website](#).

**Graduate Degrees in School/Applied Psychology**

***section 5.12.1.8: Master of Arts (M.A.) School/Applied Child Psychology (Non-Thesis) (60 credits)***

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 polic

*section 5.12.1.10: Graduate Diploma (Gr. Dip.) School/Applied Child Psychology (Post-Ph.D.)*



**Note:** Applications to the Post-Ph.D program are suspended until further notice.

For further information, consult the [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 w





Information on application procedures, deadlines, supporting documents, and contact information for the **Ph.D. in Educational Psychology: Learning Sciences** concentration can be found on the [department website](#).

#### 5.12.1.4 Educational and Counselling Psychology Faculty

##### Chair

Victoria Talwar

##### Program Directors

Steven Shaw – *School/Applied Child Psychology, Counselling Psychology*

Krista Muis – *Learning Sciences, Health Professions Education*

Chiaki Konishi – *Human Development, M.Ed. Concentrations in Educational Psychology*

##### Emeritus Professors

Mark W. Aulls; Robert J. Bracewell; Janet G. Donald; Florent R. Dumont; Marilyn Fitzpatrick; Carl H. Frederiksen; Lynn McAlpine; Eigil Pedersen; Alenoush Saroyan; Bruce M. Shore; Cynthia B. Weston

##### Professors

Jacob A. Burack; Jeffrey L. Derevensky; Martin Drapeau; Nancy L. Heath; Susanne P. Lajoie; Krista Muis; Victoria Talwar

##### Associate Professors

Armando Bertone; Adam Dubé; Tara Flanagan; Nathan Hall; Michael L. Hoover; Chiaki Konishi; Annett Körner; Gigi Luk; Tina Montreuil; Eve-Marie Quintin; Jessica Ruglis; Steven R. Shaw; Ada L. Sinacore; Caroline Temcheff

##### Assistant Professors

Marie-Claude Geoffroy; Bassam El-Khoury; Rachel Langevin; Marie-Hélène Pennestri; Kristy Robinson; Dennis Wendt; Shanna Williams

##### Faculty Lecturer

Karen Cohen-Gazith

##### Associate Members

Reut Gruber; Vera Romano; Brett D. Thombs; Ashley Wazana; Jeffrey G. Wiseman

##### Associate Professors (Non-Tenure Track)

Marcia A.B. Delcourt; Laura Winer

##### Assistant Professors - Clinical (Non-Tenure Track)

Judith Norton

##### Adjunct Professors

Sylvie Beauchamp; Nicola Gazzola; Thomas Goetz; Mi Song Kim; Marina Milyavskaya; Katherine Moxness; Eric Poitras; Robert Savage; Anastassios Stalikas; Boris Vucovic

#### 5.12.1.5 Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Professional/Internship (60 credits)

\*\* This program is currently closed to admissions \*\*.

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

##### Required Internship (24 credits)

EDPC 677	(3)	Internship Research Seminar: Quantitative Studies
EDPC 678	(3)	Internship Research Seminar: Qualitative Studies
EDPC 679D1	(3)	Internship: General 1
EDPC 679D2	(3)	Internship: General 1
EDPC 683	(3)	Practicum in Psychological Testing: Personality Assessment





EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
EDPI 654	(3)	Instruction/Curriculum Adaptation
EDSP 600D1	(1.5)	School Psychology Seminar
EDSP 600D2	(1.5)	School Psychology Seminar
EDSP 609	(3)	Introduction to Cognitive Assessment
EDSP 610	(3)	Introduction to Psycho-educational Assessment
EDSP 611	(3)	History, Theory and Best Practices in School Psychology
EDSP 619	(3)	Child and Adolescent Therapy
EDSP 650D1	(1.5)	Professional Practice in School Setting
EDSP 650D2	(1.5)	Professional Practice in School Setting
EDSP 682D1	(3)	Psycho-Educational Assessment & Intervention Practicum
EDSP 682D2	(3)	Psycho-Educational Assessment & Intervention Practicum
EDSP 691	(3)	Research Project 1
EDSP 692	(3)	Research Project 2
EDSP 693	(3)	Research Project 3
EDSP 694	(3)	Research Project 4
EDSP 695	(3)	Research Project 5
EDSP 696	(3)	Research Project 6

#### 5.12.1.9 Doctor of Philosophy (Ph.D.) School/Applied Child Psychology

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\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_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 Comprehensive Exam

EDSP 701	(0)	Comprehensive Examination
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#### Required Courses (60 credits)

24 credits

EDPC 714	(3)	Theory / Models: Family Therapy
EDPE 712	(3)	Neurological Bases of Behaviour Across Lifespan
EDSP 702	(3)	Selected Topics in School/Applied Child Psychology 2
EDSP 705D1	(3)	Practicum: School Psychology
EDSP 705D2	(3)	Practicum: School Psychology
EDSP 710	(3)	Consultation in School Psychology



EDSP 715D1	(3)	Theory and Practice of Supervision
EDSP 715D2	(3)	Theory and Practice of Supervision

### Field Placement

12 credits

EDSP 721D1	(3)	Field Placement 1: School Psychology
EDSP 721D2	(3)	Field Placement 1: School Psychology
EDSP 722D1	(3)	Field Placement 2: School Psychology
EDSP 722D2	(3)	Field Placement 2: School Psychology

### Internship (24 credits)

24 credits

EDSP 725D1	(12)	Internship: School Psychology
EDSP 725D2	(12)	Internship: School Psychology

### Complementary Courses (3 credits)

3 credits from the following:

EDPE 684	(3)	Applied Multivariate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology

### 5.12.1.10 Graduate Diploma (Gr. Dip.) School/Applied Child Psychology (Post-Ph.D.)

Note: Admission to this program is currently suspended

For more information, see [www.mcgill.ca/study/faculties/education/graduate/gps\\_edu\\_educational\\_counselling\\_psychology](http://www.mcgill.ca/study/faculties/education/graduate/gps_edu_educational_counselling_psychology).

### Required Courses and Clinic-based Practica (30 credits)

The program will be individually tailored to each accepted student in respect of previous studies and experience. Students will not be asked to repeat a course on a topic in which they can demonstrate a high level of competence. The following are expected to be most often required of students.

EDPC 609	(3)	Psychological Testing 1
EDPC 610	(3)	Psychological Testing 2
EDPC 618	(3)	Professional Ethics and the Law
EDPC 682D1	(3)	Practicum: Psychological Testing
EDPC 682D2	(3)	Practicum: Psychological Testing
EDPC 714	(3)	Theory / Models: Family Therapy
EDPE 619	(3)	Child and Adolescent Therapy
EDPE 625	(3)	Practicum 1: School Psychology
EDPE 626	(3)	Practicum 2: School Psychology
EDPE 710	(3)	Consultation in School Psychology

### Complementary Courses - Field Placements

Tw

EDPE 723 (6) School Psychology: Community

### Internship

One year full time or two years half-time

EDPE 725 (12) Internship 1 - School Psychology

EDPE 726 (12) Internship 2 - School Psychology

Students are not required to demonstrate knowledge of a second language within this program; however, any student wishing to be licensed as a professional psychologist in Quebec must have a working knowledge of French. Accreditation status may be confirmed by contacting the accrediting bodies.

### Professional Accreditation

All elements of this Post-doctoral Graduate Diploma are selected from the professional components of the Ph.D. in School/Applied Child Psychology, which is accredited in the School Psychology category by the American Psychological Association (APA). Graduates of a respecialization program are normally accorded the same recognition as graduates of the accredited program.

The Ph.D. is approved by the Ordre des psychologues du Québec (OPQ), which has recommended the final stage of professional recognition to the Office des professions of the Government of Quebec. Once this accreditation is confirmed, however, graduates of the Post-doctoral Graduate Diploma will not be automatically eligible for membership in the OPQ and the right to practise professional psychology in Quebec. Candidates wishing to practise in Quebec will be required to apply to the OPQ for the recognition of equivalent qualifications.

### 5.12.1.11 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): General Educational Psychology (48 credits)

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 vInth and enhancem.36ge 0izat

EDPE 595	(3)	Seminar in Special Topics 1
EDPE 596	(3)	Seminar in Special Topics 2
EDPE 616	(3)	Cognitive Development
EDPE 620	(3)	Developmental Psychopathology
EDPE 623	(3)	Social-Emotional Development
EDPE 636	(3)	Motivation and Instruction
EDPE 640	(3)	Emerging Technologies for Educational Change
EDPE 663	(3)	Learning Environments
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 666	(3)	Foundations of Learning Science
EDPE 699D1	(6)	Special Activity
EDPE 699D2	(6)	Special Activity
EDPI 526	(3)	Supporting Students' Strengths and Talents Creati

**Complementary Courses (15 credits)**

EDPC 501	(3)	Facilitating Relationships
EDPC 502	(3)	Group Processes and Diversity
EDPC 503	(3)	Intersectional Relationships and Sexualities
EDPC 504	(3)	Communication and Critical Conflict Resolution Crisis Interv

EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 665	(3)	Teaching of Reading
EDPI 667	(3)	Promoting Social and Emotional Well-Being

**Complementary Courses (18 credits)**

18 credits from the following:

EDPC 501	(3)	Facilitating Relationships
EDPC 502	(3)	Group Processes and Diversity
EDPC 503	(3)	Intersectional Relationships and Sexualities
EDPC 504	(3)	Communication and Critical Conflict Resolution
EDPC 505	(3)	Crisis Intervention Processes
EDPC 507	(3)	Advocacy, Outreach and Leadership
EDPC 540	(3)	Social Responsibility and Relationships in Digital Age
EDPC 542	(3)	Leadership and Support Roles of the Teacher
EDPC 562	(3)	Career as a Lifelong Process
EDPE 515	(3)	Gender Identity Development
EDPE 595	(3)	Seminar in Special Topics 1
EDPE 596	(3)	Seminar in Special Topics 2
EDPE 640	(3)	Emerging Technologies for Educational Change
EDPE 699D1	(6)	Special Activity
EDPE 699D2	(6)	Special Activity
EDPI 526	(3)	Supporting Students' Strengths and Talents
EDPI 527	(3)	Creativity and its Cultivation
EDPI 539	(3)	Field Work 1
EDPI 540	(3)	Field Work 2
EDPI 656D1	(3)	Community-Based Field Work
EDPI 656D2	(3)	Community-Based Field Work

**5.12.1.14 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): Inclusive Education: Project (48 credits)**

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)**

EDPE 502	(3)	Theories of Human Development
EDPE 575	(3)	Statistics for Practitioners
EDPE 602	(3)	Uses of Research Findings in Education
EDPE 635	(3)	Theories of Learning and Instruction
EDPI 543	(3)	Family, School and Community
EDPI 642	(3)	Inclusion: Past, Present and Future
EDPI 645	(3)	Assessment For Effective Intervention
EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 665	(3)	Teaching of Reading
EDPI 667	(3)	Promoting Social and Emotional Well-Being

EDPI 691	(3)	Research Project 1
EDPI 692	(3)	Research Project 2
EDPI 693	(3)	Research Project 3
EDPI 694	(3)	Research Project 4

### **Complementary Courses (6 credits)**

6 credits from the following:

EDPC 501	(3)	Facilitating Relationships
EDPC 502	(3)	Group Processes and Diversity
EDPC 503	(3)	Intersectional Relationships and Sexualities
EDPC 504	(3)	Communication and Critical Conflict Resolution
EDPC 505	(3)	Crisis Intervention Processes
EDPC 507	(3)	Advocacy, Outreach and Leadership
EDPC 540	(3)	Social Responsibility and Relationships in Digital Age
EDPC 542	(3)	Leadership and Support Roles of the Teacher
EDPC 562	(3)	Career as a Lifelong Process
EDPE 515	(3)	Gender Identity Development
EDPE 595	(3)	Seminar in Special Topics 1
EDPE 596	(3)	Seminar in Special Topics 2
EDPE 640	(3)	Emerging Technologies for Educational Change
EDPE 676	(3)	Intermediate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology
EDPI 526	(3)	Supporting Students' Strengths and Talents
EDPI 527	(3)	Creativity and its Cultivation
EDPI 539	(3)	Field Work 1
EDPI 540	(3)	Field Work 2

### **5.12.1.15 Master of Education (M.Ed.) Educational Psychology (Non-Thesis): Learning Sciences (48 credits)**

The M.Ed. in Educational Psychology: Non-Thesis-Learning Sciences focuses on the study of teaching and learning in formal and informal contexts, including cognitive, social and affective processes. Application in instructional design including the use of technology, program/curriculum development and evaluation.

### **Required Courses (24 credits)**

EDPE 535	(3)	Instructional Design
		Socio-Cultural Four F

EDPC 502	(3)	Group Processes and Diversity
EDPC 504	(3)	Communication and Critical Conflict Resolution
EDPC 507	(3)	Advocacy, Outreach and Leadership
EDPC 540	(3)	Social Responsibility and Relationships in Digital Age
EDPC 542	(3)	Leadership and Support Roles of the Teacher
EDPC 562	(3)	Career as a Lifelong Process
EDPE 502	(3)	Theories of Human Development
EDPE 656	(3)	Applied Theory/Methods in the Learning Sciences
EDPE 663	(3)	Learning Environments

**Complementary Courses (12 credits)**

12 credits from the following:

EDPE 535	(3)	Instructional Design
EDPE 555	(3)	Socio-Cultural Foundations of Learning Sciences
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 656	(3)	Applied Theory/Methods in the Learning Sciences
EDPE 663	(3)	Learning Environments
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 666	(3)	Foundations of Learning Science
EDPE 668	(3)	Advanced Seminar in Learning Sciences
EDPE 687	(3)	Qualitative Methods in Educational Psychology

or other 500-, or 600-level courses offered by the Department and with the approval of the supervisor and the Program Director.

**5.12.1.17 Master of Arts (M.A.) Educational Psychology (Thesis): Human Development (45 credits)**

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)**

EDPE 604	(3)	Thesis 1
EDPE 607	(3)	Thesis 2
EDPE 693	(3)	Thesis 3
EDPE 694	(3)	Thesis 4
EDPE 695	(6)	Thesis 5
EDPE 696	(6)	Thesis 6

**Required Courses (15 credits)**

EDPE 502	(3)	Theories of Human Development
EDPE 605	(3)	Research Methods
EDPE 632D1	(0)	Research Seminar
EDPE 632D2	(0)	Research Seminar
EDPE 672	(3)	Human Development Seminar 1
EDPE 673	(3)	Human Development Seminar 2
EDPE 676	(3)	Intermediate Statistics

**Complementary Courses (6 credits)**

3 credits from the following:

EDPE 682	(3)	Univariate/Multivariate Analysis
EDPE 687	(3)	Qualitative Methods in Educational Psychology

3 credits from the following:

EDPE 515	(3)	Gender Identity Development
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EDPE 616	(3)	Cognitive Development
EDPE 623	(3)	Social-Emotional Development
EDPI 642	(3)	Inclusion: Past, Present and Future

or other 500-, 600-, or 700-level courses offered by the Department and with the approval of the supervisor and the Program Director.

**5.12.1.18 Master of Arts (M.A.) Educational Psychology (Thesis): Learning Sciences (45 credits)**

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

EDPE 686	(3)	Human Development Seminar 4
EDPE 708	(0)	Comprehensive Examination

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## 5.12.2 Integrated Studies in Education

### 5.12.2.1 Location

Department of Integrated Studies in Education  
Education Building, Room 244  
3700 McTavish Street  
Montreal QC H3A 1Y2  
Canada  
Website: [mcgill.ca/dise](http://mcgill.ca/dise)

Graduate Programs (Graduate Certificate, M.A., MATL, and Ph.D.)  
Education Building, Room 244  
Telephone: 514-398-4527 (Ph.D./M.A.: ext. 09133; MATL/Graduate Certificates: ext. 094476)  
Fax: 514-398-4529

The administrative office is open Monday to Friday from 9:30 a.m. to 4:00 p.m.

### 5.12.2.2 About Integrated Studies in Education

The Department offers graduate students the opportunity to enhance their knowledge related to specific areas of inquiry in the field of education through our M.A. degrees (thesis or non-thesis options), including our MATL leading to teacher certification, Ph.D. in Educational Studies, and graduate certificates. The Department offers the following programs:

Six **Graduate Certificates** (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
- Certificat d'études supérieures en pédagogie de l'immersion française

Three **M.A. Thesis and Non-Thesis degree programs** (45 credits) in the following areas:

- Education and Society
- Educational Leadership
- Second Language Education

The Department offers an **M.A. in Teaching and Learning (MATL)** (60 credits) in the following areas:

- Social Sciences
- English Language Arts
- Science and Technology
- Mathematics
- English or French Second Language



**Note:** The French Second Language program is currently not offered.

The Department also offers a **Ph.D.** in Educational Studies.

### 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,4.353 Tmaduate

*section 5.12.2.5: Master of Arts (M.A.) Education and Society (Thesis) (45 credits)*

The M.A. thesis option is a research-oriented degree in which approximately half of the program consists of thesis research. The balance of the program is course work.

*section 5.12.2.6: Master of Arts (M.A.) Education and Society (Thesis): Gender and Women's Studies (45 credits)*

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn credits of approved course work focusing on gender and women'

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. Leadership consists of 13

### **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 in order for students to successfully complete the program. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

*section 5.12.2.24: Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English or French Second Language (60 credits)*

This program is comprised of course work, coupled with an internship. Upon completion, students are recommended to the Quebec Ministry of Education for certification to teach English or French Second Language.

*section 5.12.2.25: Master of Arts (M.A.) in T.M.A.) in T.624 1 164.943 603.36Op36 Tm Language (60 credits)*

*section 5.12.2.32: Doctor of Philosophy (Ph.D.) Educational Studies: Mathematics and Science Education*

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 tar

*section 5.12.2.38: Certificat d'études supérieures (Cert.ed.sup.) pédagogie de l'immersion française (15 crs)*

étayées par les enseignants de manière à dépasser le cloisonnement entre langue et contenu. Il comporte cinq cours obligatoires. La réussite d'un test de français est obligatoire lors de la demande d'admission.

**5.12.2.3 Integrated Studies in Education Admission Requirements and Application Procedures**

**5.12.2.3.1 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 de



See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### 5.12.2.3.1 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.

#### 5.12.2.3.3 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.

#### 5.12.2.4 Integrated Studies in Education Faculty

##### Chair

Lisa Starr

##### Director of Teacher Education Programs (MATL & B Ed)

Mindy Carter

##### Director of Teacher Education Programs (B Ed & MATL)

Hannah Chestnutt

##### Director of First Nations and Inuit Education

Stephen Peters

##### Assistant Director of First Nations and Inuit Education

James Howden

##### Director of Ph.D. Program and MA Thesis Programs

Paul Zanazanian

##### Director of MA Non-Thesis Programs and BA (Education)

Joseph Levitan

##### Director of Internships and Student Affairs

Yasmine Zein

##### Emeritus Professors

Patrick X. Dias; David Dillon; Margaret Gillett; John B. Gradwell; Denise Lussier; Roy Lyster; Mary H. Maguire; Anthony Paré; Jacques J. Rebuffot; Bernard Shapiro; David C. Smith; R. Lynn Studham; Lise Winer; John Wolforth

### Assistant Professors

Angelica Galante; Blane Harvey; Amir Kalan; Joseph Levitan; Janine Metallic; R. Nanre Nafziger; Elizabeth Patitsas; Emmanuel Tabi

### Faculty Lecturers

Hannah Chestnutt; James Howden; Michael Lipset; Stephen Peters; Sheryl Smith-Gilman Emily Sprowls

#### 5.12.2.5 Master of Arts (M.A.) Education and Society (Thesis) (45 credits)

##### Thesis Courses (24 credits)

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

##### Required Courses (6 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice

##### 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.

#### 5.12.2.6 Master of Arts (M.A.) Education and Society (Thesis): Gender and Women's Studies (45 credits)

##### Thesis Courses (24 credits)

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

##### Required Courses (9 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice
WMST 601	(3)	Feminist Theories and Methods

##### Complementary Courses (3 credits)

3 credits chosen from the following,ses (3 creditc51 2be e 0 er: 0 1 165.864 270.185i3D4GE6

**5.12.2.7 Master of Arts (M.A.) Education and Society (Thesis): Mathematics and Science Education (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (12 credits)**

EDEC 624	(3)	Researching, Teaching, Learning and Teacher Education
EDEC 625	(3)	MA Seminar in Practice-Based Teacher Education 1
EDEC 626	(3)	MA Seminar in Math and Science Education 2
EDEM 690	(3)	Research Methods: Theory and Practice

**Complementary Courses (6 credits)**

3 credits of graduate-level courses from the following:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics

3 credits of courses, from the following:

EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 630	(3)	Ethnographic Approaches to Research
EDEC 635	(3)	Research Writing
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 692	(3)	Qualitative Research Methods
EDER 608	(3)	Educational Implications of Social Theory
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 676	(3)	Intermediate Statistics
EDPE 687	(3)	Qualitative Methods in Educational Psychology
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 508	(3)	Critical Influences on Educational Praxis

**Elective Course (3 credits)**

3 credits at the 500, 600, or 700 level chosen in consultation with the Thesis Supervisor or Graduate Program Director.

**5.12.2.8 Master of Arts (M.A.) Education and Society (Non-Thesis) (45 credits)**

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)**

EDER 633	(6)	Project 1
EDER 634	(6)	Project 2

**Required Courses (6 credits)**

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 690	(3)	Research Methods: Theory and Practice

**Complementary Courses (15 credits)**

EDEA 555	(3)	Applied Theatre
EDEA 655	(3)	Arts-Based Educational Research
EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 617	(3)	Special Topics in Educational Studies
EDEC 620	(3)	Meanings of Literacy
EDEC 627	(3)	Critical Discourse Studies in Education
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDEC 650	(3)	Critical Race Studies and Education
EDEM 655	(3)	Indigenous Research Methodologies
EDEM 679	(3)	Special Topics 3 in Educational Leadership
EDEM 688	(3)	Critical and Participatory Research Methods
EDER 600	(3)	Globalization, Education and Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development



EDEC 626	(3)	MA Seminar in Math and Science Education 2
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research

### Complementary Courses (18 credits)

3 credits from the following:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics

15 credits from the following:

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 627	(3)	Critical Discourse Studies in Education
EDEC 635	(3)	Research Writing
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 660	(3)	Community Relations in Education
EDEM 676	(3)	Organizing Non-Formal Learning
EDEM 690	(3)	Research Methods: Theory and Practice
EDER 600	(3)	Globalization, Education and Change
EDER 606	(3)	Philosophy of Moral Education
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 676	(3)	Intermediate Statistics
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 508	(3)	Critical Influences on Educational Praxis

### Elective Courses



**5.12.2.12 Master of Arts (M.A.) Education and Society (Non-Thesis): Jewish Education (45 credits)**

This program is designed to offer a graduate-level point of entry into the teaching profession for students who typically will have completed a B.A. with minor or major in Jewish Studies. The M.A. will not provide Quebec Government teacher certification (in Quebec, certification is at the B.Ed. level), but at the present time, Jewish schools may hire non-certified teachers of Jewish Studies at their discretion.

Students interested in doing a research-focused M.A. in the area of Jewish Education should follow one of the other graduate degree offerings within the area of Education and Society.

**Required Internship (15 credits)**

EDER 610D1	(7.5)	Internship
EDER 610D2	(7.5)	Internship

**Required Courses (6 credits)**

EDEM 690	(3)	Research Methods: Theory and Practice
EDER 520	(3)	Issues in Jewish Education

**Complementary Courses (24 credits)**

24 credits at the 500, 600, or 700 level, selected in consultation with the program adviser. Students will normally follow this profile:

9 credits from the course offerings of the Department of Jewish Studies, Faculty of Arts.

9 credits chosen from the following courses:

EDER 523	(3)	Teaching Judaism: Bible
EDER 525	(3)	Teaching Judaism: Holidays
EDER 526	(3)	Teaching Judaism: Liturgy
EDER 527	(3)	Teaching Judaism: Special Topics
EDER 528	(3)	Teaching Judaism: The Holocaust

6 credits selected from the following courses:

EDPE 535	(3)	Instructional Design
EDPE 616	(3)	Cognitive Development
EDPI 526	(3)	Supporting Students' Strengths and Talents
EDPI 642	(3)	Inclusion: Past, Present and Future
EDPI 654	(3)	Instruction/Curriculum Adaptation

**Language Requirement**

EDER 529	(0)	Hebrew Language Requirement
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**5.12.2.13 Master of Arts (M.A.) Education and Society (Non-Thesis): Project Math & Science Education (45 credits)**

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)**



EDER 633	(6)	Project 1
EDER 634	(6)	Project 2

**Required Courses (15 credits)**

EDEC 624	(3)	Researching, Teaching, Learning and Teacher Education
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**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.

**5.12.2.14 Master of Arts (M.A.) Educational Leadership (Thesis) (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (9 credits)**

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education

**Complementary Courses (6 credits)**

6 credits selected from the following courses:

EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 630	(3)	Ethnographic Approaches to Research
EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods

**Elective Courses (6 credits)**

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

**5.12.2.15 Master of Arts (M.A.) Educational Leadership (Thesis): Gender and Women's Studies (45 credits)****Thesis Courses (24 credits)**

EDEM 621	(6)	Thesis 1
EDEM 623	(6)	Thesis 2
EDEM 699	(12)	Thesis 3

**Required Courses (12 credits)**

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDEM 610	(3)	Leadership in Action
EDEM 673	(3)	Leadership Theory in Education
WMST 601	(3)	Feminist Theories and Methods

**Complementary Courses (6 credits)**

3 credits selected from the following courses:

EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 630	(3)	Ethnographic Approaches to Research

EDEM 690 (3) Research Methods: Theory and Practice  
EDEM 692 (3) Qualitative Research Methods

3 credits selected from the following, must be either:

WMST 602 (3) Feminist Research Symposium

or one 3 credit course, at the 500, 600, or 700 level, on gender/w

EDEC 602	(3)	Foundations in Curriculum
EDEC 604	(3)	Literacy and Learning Across Curriculum Self-Study, Autoethnograph

9 credits selected from the following courses:

EDEM 606	(3)	Educational Leadership Issues
EDEM 628	(3)	Education Resource Management
EDEM 630	(3)	Workplace Learning
EDEM 635	(3)	Fiscal Accountability in Education
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 660	(3)	Community Relations in Education
EDEM 664	(3)	Education and the Law
EDEM 671	(3)	Role of the Leader
EDEM 674	(3)	Organizational Theory and Education
EDEM 675	(3)	Special Topics 1 in Educational Leadership
EDEM 677	(3)	Special Topics 2 in Educational Leadership
EDEM 681	(3)	Practicum - Administrative Studies
EDEM 693	(3)	School Improvement Approaches
EDEM 695	(3)	Policy Studies in Education

6 credits selected from the following courses:

EDEC 575	(3)	Special Topics in Education
EDEC 602	(3)	Foundations in Curriculum
EDEC 604	(3)	Literacy and Learning Across Curriculum
EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
EDEC 625	(3)	MA Seminar in Practice-Based Teacher Education 1
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDEC 648	(3)	Historical Knowledge and Social Change
EDEC 650	(3)	Critical Race Studies and Education
EDEM 655	(3)	Indigenous Research Methodologies
EDER 536	(3)	Critical and Ethical Dimensions of Sexualities Education
EDER 600	(3)	Globalization, Education and Change
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 617	(3)	Aesthetics and Education
EDER 622	(3)	Studies in Comparative Education
EDER 625	(3)	Special Topics in Educational Studies
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education
EDER 639	(3)	Education and Development

EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies

**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.

**5.12.2.18 Master of Arts (M.A.) Educational Leadership (Non-Thesis): Gender and Women's Studies (45 credits)**

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 tw

EDEC 602	(3)	Foundations in Curriculum
EDEC 604	(3)	Literacy and Learning Across Curriculum
EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
EDEC 625	(3)	MA Seminar in Practice-Based Teacher Education 1
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDEC 648	(3)	Historical Knowledge and Social Change
EDER 600	(3)	Globalization, Education and Change
EDER 607	(3)	Ethics and Values in Education
		Educational Implications of Social EDER 607

**Required Courses (12 credits)**

EDEM 690	(3)	Research Methods: Theory and Practice
EDPE 575	(3)	Statistics for Practitioners
EDSL 623	(3)	Second Language Learning Instructed Second Language



EDSL 631	(3)	Second Language Curriculum
EDSL 632	(3)	Second Language Literacy Development
EDSL 640	(3)	Language Awareness: Theory and Practice
EDSL 651	(3)	Content-Based L2 Learning

3 credits chosen from the following, must be either:

WMST 602	(3)	Feminist Research Symposium
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or one 3 credit course, at the 500, 600, or 700 level, on gender/women's issues (may be in the Department or outside).

### 5.12.2.21 Master of Arts (M.A.) Second Language Education: Coursework (Non-Thesis) (45 credits)

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)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDPE 575	(3)	Statistics for Practitioners
EDSL 623	(3)	Second Language Learning
EDSL 627	(3)	Instructed Second Language Acquisition Research

#### Complementary Courses (24 credits)

12-18 credits chosen from the following courses:

EDEC 630	(3)	Ethnographic Approaches to Research
EDEM 690	(3)	Research Methods: Theory and Practice
EDSL 601	(3)	Methods and Curriculum in Second Language Teaching 1
EDSL 602	(3)	Methods and Curriculum in Second Language Teaching 2
EDSL 617	(3)	Special Topics in Second Language Education
EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 624	(3)	Educational Sociolinguistics
EDSL 628	(3)	Plurilingualism&Translanguaging in Education and Research
EDSL 631	(3)	Second Language Curriculum
EDSL 632	(3)	Second Language Literacy Development
EDSL 640	(3)	Language Awareness: Theory and Practice
EDSL 651	(3)	Content-Based L2 Learning

#### Complementary Courses

6-12 credits from the following:

EDEA 555	(3)	Applied Theatre
EDEA 655	(3)	Arts-Based Educational Research
EDEC 604	(3)	Literacy and Learning Across Curriculum
EDEC 606	(3)	Self-Study, Autoethnography, and Autobiographical Research
EDEC 612	(3)	Digital Media and Learning

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EDEC 620	(3)	Meanings of Literacy
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings
EDEC 635	(3)	Research Writing
EDEC 648	(3)	Historical Knowledge and Social Change
EDEC 650	(3)	Critical Race Studies and Education
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation
EDEM 655	(3)	Indigenous Research Methodologies
EDEM 660	(3)	Community Relations in Education
EDEM 679	(3)	Special Topics 3 in Educational Leadership
EDEM 688	(3)	Critical and Participatory Research Methods
EDER 600	(3)	Globalization, Education and Change
EDER 607	(3)	Ethics and Values in Education
EDER 608	(3)	Educational Implications of Social Theory
EDER 609	(3)	Education and Philosophical Thought
EDER 614	(3)	Sociology of Education
EDER 615	(3)	Introduction to Philosophy of Education
EDER 622	(3)	Studies in Comparative Education
EDER 639	(3)	Education and Development
EDER 649	(3)	Education: Multicultural Societies

### 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:

WCOM 642	(1)	Cornerstones of Academic Writing.
WCOM 645	(1)	ESL: Fundamentals of Academic Writing
WCOM 661	(1)	Literature Review 1: Summary and Critique
WCOM 662	(1)	Literature Review 2: Establishing Scholarly Niches

Exceptionally, one 3-credit undergraduate language course, at any level, in a language not formally studied previously may be taken as an elective.

### 5.12.2.22 Graduate Student Teaching / M.A. in Teaching and Learning Internship

The : *Internships & Student Affairs Office (ISA)* in the Faculty of Education ([mcgill.ca/isa](http://mcgill.ca/isa)) is responsible for the placement and evaluation of all MATL student teachers registered in the Internship courses (EDIN course code).

#### 5.12.2.21 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) ern.421 Tm(aluated by the 10e 10e 10e 10e 101 353.914 143.4(reit preferences and ha Unice 0 1 383.37 1 67



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 supporting medical documentation; after two days, a student teacher must obtain a supporting medical note and the outcome of the Internship may be evaluated by the ISA Director, as necessary;
- *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 holy days, as outlined in McGill's *Policy on holy days*;
- *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 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

Absences for any other reason, including but not limited to marriage, family events, vacation, extracurricular activities, employment, or conflicting courses are exceptionally permitted by the ISA Director on a case-by-case basis. Any request for absence must be sent to your ISA Placement Coordinator a minimum of two weeks before the proposed absence. Students who may need to defer the internship or rearrange their course schedule should contact their MATL Program Coordinator.

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).

### **5.12.2.2.6 Grading and Credit**

Internships are graded according to the graduate grading scale (*section 1.1.8.1: Grading and Grade Point Averages (GPA)*).

For students admitted to the MATL program **prior to Summer 2017**:

- A final grade is assigned for the internship course (EDIN) based on a combination of their marks in the field work (internship) and Professional Seminar components;
- Grades are weighted as follows: Supervisor Summative (40%), Cooperating Teacher Summative (40%), Professional Seminar Grade (20%). In the case of the Summative Evaluations, which are marked on a 4-point scale across 13 Professional Competencies, each mark out of 4 is assigned a correlating number out of 100 and an average is calculated to reach a final numerical grade out of 100; this is then converted to the corresponding letter grade;
- Students must pass both the Internship and Professional Seminar components of the course individually in order to pass the internship course (EDIN) as a whole.

For students admitted to the MATL program **in Summer 2017 and beyond**:

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- Students must pass both the Internship 1 (EDIN 610) and the Professional Seminar 1 course (EDPS 610) in order to proceed to Internship 2 (EDIN 620) and the Professional Seminar 2 course (EDPS 620).

The [section 1.2.2: Failure Policy](#) applies. Where a student is experiencing serious pedagogical or professional difficulties in an Internship, the ISA Director will review

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 de

### 5.12.2.23.5 Progress Tracking Report

Students in the M.A. Teaching and Learning program will engage in graduate progress tracking using the reporting forms and timelines established by the department specific to the MATL program.

### 5.12.2.24 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English or French Second Language (60 credits)

\*\*The French option of this program is currently not offered.\*\*

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of coursework, coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the Québec Ministry of Education.

The program, which targets those with formal and/or non-formal teaching experience, begins with mandatory courses in the Summer term. The specific course sequence and progression leads students to complete the program in five consecutive terms on a full-time basis. The program must be completed within three years. Alternately, the program can be followed on a part-time basis, in which case all program requirements must be completed within five years.

Throughout the MATL, emphasis will be on the demonstration of mastery of the Québec Ministry of Education professional competencies. Upon completion, students are recommended to the Québec Ministry of Education for certification.

Note: The Québec Ministry of Education requires that all students pass the English Exam for Teacher Certification (EETC) or the Test de certification en français écrit pour l'enseignement (TECFÉE), as appropriate, prior to taking EDIN 610 Internship 1.

### Required Courses (54 credits)

EDEC 612	(3)	Digital Media and Learning
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDIN 610	(7)	Internship 1
EDIN 620	(8)	Internship 2
EDPS 600	(3)	Introductory Professional Seminar
EDPS 610	(2)	Professional Seminar 1
EDPS 620	(1)	Professional Seminar 2
EDSL 500	(3)	Foundations and Issues in Second Language Education
EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 604	(3)	Techniques for Assessment
EDTL 609	(3)	Diverse Learners
EDTL 635	(3)	Applied Methods in Second Language Education
EDTL 636	(3)	Adv. Applied Methods in Second Language Education

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### 5.12.2.25 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): English Language Arts Option (60 credits)

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of coursework, coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the Quebec Ministry of Education. The program, which targets those with formal and/or non-formal teaching experience, begins with mandatory courses in the Summer term. The specific course sequence and progression leads students to complete the program in five consecutive terms on a full-time basis. The program must be completed within three years. Alternatively, the program can be followed on a part-time basis, in which case all program requirements must be completed within five years. Throughout the MATL, emphasis will be on the demonstration of mastery of the Québec Ministry of Education professional competencies. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

Note: The Quebec Ministry of Education requires that all students pass the English Exam for Teacher Certification (EETC) prior to taking EDIN 610 Internship 1.

#### Required Courses (54 credits)

EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDIN 610	(7)	Internship 1
EDIN 620	(8)	Internship 2
EDPS 600	(3)	Introductory Professional Seminar
EDPS 610	(2)	Professional Seminar 1
EDPS 620	(1)	Professional Seminar 2
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 604	(3)	Techniques for Assessment
EDTL 607	(3)	Language and Policy in Quebec Education
EDTL 609	(3)	Diverse Learners
EDTL 629	(3)	Applied Methods in Teaching Secondary Eng. Language Arts
EDTL 630	(3)	Advanced Applied Methods in Teaching Sec English Lang Arts
EDTL 640	(3)	Teacher Inquiry and Action Research

#### Complementary Courses (6 credits)

3 credits selected from:

EDER 600	(3)	Globalization, Education and Change
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

### 5.12.2.26 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Mathematics Option (60 credits)

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised of 45 credits of coursework coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate degree in a teachable subject area identified by the Quebec Ministry of Education. The program, which targets those with formal and/or non-formal teaching



basis, in which case all program requirements must be completed within five years. Throughout the MATL, emphasis will be on the demonstration of mastery of the Québec Ministry of Education professional competencies. Upon completion, students are recommended to the Québec Ministry of Education for

of the Québec Ministry of Education professional competencies. Upon completion, students are recommended to the Quebec Ministry of Education for certification.

Note: The Quebec Ministry of Education requires that all students pass the English Exam for Teacher Certification (EETC) prior to taking EDIN 610 Internship 1.

**Required Courses (48 credits)**

EDEC 612	(3)	Digital Media and Learning
EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDIN 610	(7)	Internship 1
EDIN 620	(8)	Internship 2
EDPS 600	(3)	Introductory Professional Seminar
EDPS 610	(2)	Professional Seminar 1
EDPS 620	(1)	Professional Seminar 2
EDTL 500	(3)	Applications of Educational Psychology Across Classrooms
EDTL 515	(0)	English Exam for Teacher Certification
EDTL 601	(3)	Cross-curricular Teaching Methods
EDTL 604	(3)	Techniques for Assessment
EDTL 607	(3)	Language and Policy in Quebec Education
EDTL 609	(3)	Diverse Learners
EDTL 633	(3)	Applied Methods in Teaching Social Science in Sec. School
EDTL 640	(3)	Teacher Inquiry and Action Research

**Complementary Courses (12 credits)**

3 credits selected from (in accordance with second specialization in Geography or Ethics & Religious Culture):

EDTL 612	(3)	Adv Applied Meth in Teach'g Ethics&ReligCulture in Sec Sch
EDTL 634	(3)	Adv Applied Meth in Teaching Social Sciences in Sec. School

3 credits selected from:

EDEC 648	(3)	Historical Knowledge and Social Change
EDER 626	(3)	Theory and Praxis of Ethics and Religious Education

3 credits selected from:

EDER 600	(3)	Globalization, Education and Change
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

**5.12.2.28 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Science and Technology Option (60 credits)**

The M.A. in Teaching and Learning Program is a 60-credit, post-graduate degree leading to teacher certification. It is comprised 45 credits of coursework, coupled with 15 credits (minimum of 735 hours) of internship. This professional program leads to teacher certification to those already holding an undergraduate

degree in a teachable subject area identified by the Quebec Ministry of Education. The program, which targets those with formal and/or non-formal teaching experience, begins with mandatory courses in the Summer term. The specific course sequence and progression leads students to complete the program in five consecutive terms on a full-time basis. The program must be completed within three years. Alternatively, the program can be followed on a part-time basis, in which case all program requirements must be completed within five years. Throughout the MATL, emphasis will be on the demonstration of mastery of the Québec 0 0 1 331.926 728.56 Tm(The pr Tw0 1 75.953 709.12 6799.1F1 8.ceron.The pro 1 75.953 709.12 669.1/F1 8.Note:ut the MA)Tj87.398 669.1/F1 8.T0 0

### Required Courses (8 credits)

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium

Note: EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

### Complementary Courses (3 credits)

One of the following courses:

EDEC 630	(3)	Ethnographic Approaches to Research
EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods

### 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:

EDEC 630	(3)	Ethnographic Approaches to Research
EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods

Students required by their Doctoral Advisory Committee to take graduate courses in statistics will select from a range of courses, such as the following:

EDPE 575	(3)	Statistics for Practitioners
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis

### 5.12.2.30 Doctor of Philosophy (Ph.D.) Educational Studies: Gender and Women's Studies

#### Thesis

A thesis for the doctoral degr Tmc40l d l 1771.735der 0 0 l 29or40l d l 9om(85 153.986 T 357n de)Ti(5.0c1771.73596771G0D)Tj1 0 0 l 207.265 153.986 .4idSib2 385

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Note: EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

### Complementary Courses (3 credits)

One of the following courses:

EDEC 630	(3)	Ethnographic Approaches to Research
EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods

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.

### 5.12.2.31 Doctor of Philosophy (Ph.D.) Educational Studies: Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Educational Studies. The Ph.D. thesis must be on a topic relating to language acquisition.

#### 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)

EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium
LING 710	(2)	Language Acquisition Issues 2
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

### 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.

EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
LING 620	(3)	Experimental Linguistics: Methods

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2

3 credits selected from the following list:

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry

At least 3 credits selected from the following list:

EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Instructed Second Language Acquisition Research
EDSL 632	(3)	Second Language Literacy Development
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 751	(3)	Advanced Seminar: Experimental 1
LING 752	(3)	Advanced Seminar: Experimental 2
PSYC 545	(3)	Topics in Language Acquisition
PSYC 735	(3)	Developmental Psychology and Language
SCSD 619	(3)	Phonological Development
SCSD 632	(3)	Phonological Disorders: Children
SCSD 637	(3)	Developmental Language Disorders 1
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 654	(3)	Advanced Research Seminar 3

### **Elective Course**

(0-2 credits)

0-2 credits from the following:

EDPE 713	(2)	Language Acquisition Issues 5
EDSL 711	(2)	Language Acquisition Issues 3

### **5.12.2.32 Doctor of Philosophy (Ph.D.) Educational Studies: Mathematics and Science Education**

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)

EDEC 624	(3)	Researching, Teaching, Learning and Teacher Education
EDEC 700	(2)	Proseminar in Education 1
EDEC 701	(0)	Ph.D. Comprehensive Examination
EDEC 702	(2)	Proseminar in Education 2
EDEC 703	(4)	Ph.D. Colloquium
EDEC 708	(3)	PhD Seminar in Practice-Based Teacher Education 1
EDEC 709	(3)	PhD Seminar in Math and Science Education 2

Note: EDEC 701 is normally taken at the end of the second year for Ph.D. 2 program entrants and at the end of the third year for Ph.D. 1 entrants.

### Complementary Courses

3-9 credits

3 credits of graduate-level courses in curriculum, from the following:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics

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.

EDPE 682	(3)	Univariate/Multivariate Analysis
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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.

EDEC 630	(3)	Ethnographic Approaches to Research
EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods

### 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.

#### 5.12.2.33 Graduate Certificate (Gr. Cert.) Educational Leadership 1 (15 credits)

This 15-credit program addresses the needs of experienced and aspiring school leaders who are taking increased responsibility for the students and communities they serve. The management of schools is increasingly seen as making a major contribution to the learning and personal development of students. The professional development of school leaders, educational reform, and school partnership form the basis for the program.

Please click here for information on additional requirements for students pursuing this online program:

[https://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/graduate/gi\\_regulations\\_id\\_and\\_personal\\_information#booknode-61130](https://www.mcgill.ca/study/university_regulations_and_resources/graduate/gi_regulations_id_and_personal_information#booknode-61130)

Course selection to be approved by Graduate Certificate Program Director.

## Complementary Courses

15 credits from:

EDEC 635	(3)	Research Writing
EDEM 610	(3)	Leadership in Action
EDEM 628	(3)	Education Resource Management
EDEM 635	(3)	Fiscal Accountability in Education
EDEM 637	(3)	Managing Educational Change
EDEM 644	(3)	Curriculum Development and Implementation
EDEM 646	(3)	Planning and Evaluation

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.

### 5.12.2.34 Graduate Certificate (Gr. Cert.) Educational Leadership 2 (15 credits)

This 15-credit program explores more deeply leadership theory and educational issues and applications in a practicum. Candidates for the Graduate Certificate in Educational Leadership 2 should normally have completed the first certificate. In combination, the two certificates allow school administrators to acquire the 30 graduate credits in the field of educational leadership required by the Quebec Ministry of Education.

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/graduate/gi\\_regulations\\_id\\_and\\_personal\\_information#booknode-61130](https://www.mcgill.ca/study/university_regulations_and_resources/graduate/gi_regulations_id_and_personal_information#booknode-61130)

Course selection to be approved by Graduate Certificate Program Director.

No course tak



EDEM 625*	(6)	Project 1
EDEM 625N1*	(3)	Project 1
EDEM 625N2*	(3)	Project 1
EDEM 627	(6)	Project 2

\* Students take either EDEM 625 or EDEM 625N1 and EDEM 625N2

### Complementary Courses (3 credits)

3 credits from:

EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods
EDTL 640	(3)	Teacher Inquiry and Action Research

Or other 500-level or higher research method courses approved by the Graduate Certificate Program Director.

### 5.12.2.36 Graduate Certificate (Gr. Cert.) International Leadership in Educational and Administrative Development (15 credits)

\*\* 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)

EDLE 601	(3)	Resource Administration and Fiscal Accountability
EDLE 602	(3)	Marketing & Strategy in International Education Leadership
EDLE 603	(3)	Educational Planning and Evaluation
EDLE 604	(3)	Education and Internationalization
EDLE 605	(3)	Leading for Success in Educational Institutions

### 5.12.2.37 Graduate Certificate (Gr. Cert.) Teaching English as a Second Language (15 credits)

This 15-credit certificate is designed as professional development for in-service teachers and candidates with a background in education, language studies, linguistics, or a related field, or as preparation for application to our M.A. in Second Language Education. The five courses that comprise the certificate provide a solid background and offer in-depth study in the field of second-language education from a range of perspectives and with a focus on research and applications to teaching. Please note that this certificate does not lead to teacher certification.

The Graduate Certificate in TESL is designed to be available to students worldwide. Courses are offered in a combination of online and face-to-face formats, and sequenced in such a way that students can complete the certificate in one year. The maximum time for completion is five years. The first three courses are offered online, and can be undertaken anywhere an Internet connection is available. The final two courses are offered face-to-face either on-site at McGill or at off-site locations with collaborative partners, if numbers warrant.

Please click here for information on additional requirements for students pursuing this online program:

[https://www.mcgill.ca/study/university\\_regulations\\_and\\_resources/graduate/gi\\_regulations\\_id\\_and\\_personal\\_information#booknode-61130](https://www.mcgill.ca/study/university_regulations_and_resources/graduate/gi_regulations_id_and_personal_information#booknode-61130)

### Required Courses (15 credits)

#### Online Courses

EDSL 500	(3)	Foundations and Issues in Second Language Education
EDSL 505	(3)	Second Language Acquisition Applied to Classroom Contexts
EDSL 512	(3)	Grammar in Teaching English as a Second Language

#### On-site at McGill in Intensive (1 month) Institute

Note: Off-site delivery can be considered for a specified minimum number of students. Certain limitations and additional costs would apply.

### **5.12.3.2 About Kinesiology and Physical Education**

The Department of Kinesiology and Physical Education provides a large variety of research opportunities in a number of areas related to human health and physical activity.

#### **Master's 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);
- aluation (e217 T

- **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 proryion

**Graduate Program Director**

Lindsay Duncan

**Emeritus Professors**

Theodore Milner; Greg Reid

**Professors**

Ross E. Andersen; Gordon Bloom; Julie Côté; Dilson Rassier

**Associate Professors**

Lindsay Duncan; William Harvey; Dennis Jensen; Caroline Paquette; David J. Pearsall; Shane Sweet

**Assistant Professors**

Tyler Churchward-Venne; Benoit Gentil; Jenna Gibbs; Jordan Koch; Charlotte Usselman

**Senior Faculty Lecturer**

Celena Scheede-Bergdahl

**F**

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 Adviser.

EDKP 548	(3)	Applied Exercise Psychology
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
EDKP 625	(3)	Sport, Physical Activity and Social Theory
EDKP 631	(3)	Qualitative Methods
EDKP 654	(3)	Sport Psychology
EDKP 664	(3)	Motor Learning and Behaviour
EDKP 671	(3)	Experimental Problems
EDKP 672	(6)	Advanced Experimental Problems
EDPE 676	(3)	Intermediate Statistics

Students may also take courses (500, 600, or 700 level) outside of the department chosen in consultation with the supervisor or svi 336.768iser

EDKP 631	(3)	Qualitative Methods
EDKP 652	(3)	Advanced Cardiopulmonary Exercise Physiology
EDKP 662	(3)	Musculoskeletal Responses to Exercise
EDKP 664	(3)	Motor Learning and Behaviour
EDKP 671	(3)	Experimental Problems
EDKP 672	(6)	Advanced Experimental Problems

Students may also take courses (500, 600, or 700 level) from outside of the department chosen in consultation with the supervisor or student adviser, up to a maximum of 6 credits.

### 5.12.3.7 Doctor of Philosophy (Ph.D.) Kinesiology Sciences

The objective of the Ph.D. in Kinesiology Sciences is to provide opportunities for in-depth research experience in (an) area(s) of Departmental expertise within the breadth of kinesiology research. The program will provide 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 provided by a rich environment in the Department of Kinesiology and Physical Education. Students with a Master's degree in kinesiology or related discipline or equivalent background will qualify to apply. Students will complete 12 the \_\_\_\_\_ by contemporary issues in kinesiology research, and two complementary courses intended to provide adequate theoretical depth to support their program otr research.

#### Requfhee Courses (12 fhe

EDKP 621	(1.5)	Seminar in Kinesiology and Physical Education 1A
EDKP 622	(1.5)	Seminar in Kinesiology and Physical Education 2A
EDKP 623	(1.5)	Seminar in Kinesiology and Physical Education 3A
EDKP 624	(1.5)	Seminar in Kinesiology and Physical Education 4A
EDKP 661D1	(3)	Current Topics in Kinesiology Research
EDKP 661D2	(3)	Current Topics in Kinesiology Research
EDKP 701	(0)	Ph.D. Comprehensive Examination

#### Complementary Courses (6 fhe

A minimum of 6 credits from the following; other course,e at the 500-level or higher, on these topics from the Faculty of Education or other Faculties may be selectee subject to approval of the program adviser.

EDKP 603D1	(3)	Individual Reaning Course 1
EDKP 603D2	(3)	Individual Reaning Course 1
EDKP 605	(3)	Research Methods 1
EDKP 616	(3)	Individual Reaning Course 2
EDKP 630	(3)	Human Walking Mechanics
EDKP 652	(3)	Advanced Cardiopulmonary Exercise Physiology
EDKP 654	(3)	Sport Psychology
EDKP 662	(3)	Musculoskeletal Responses to Exercise
EDKP 664	(3)	Motor Learning and Behaviour
EDKP 671	(3)	Experimental Problems
EDKP 672D1	(3)	Advanced Experimental Problems
EDKP 672D2	(3)	Advanced Experimental Problems
EDPE 676	(3)	Intermediate Statistics

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## 6 Faculty of Engineering

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### 6.1 Dean's Welcome

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies*

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### 6.2 Graduate and Postdoctoral Studies

#### 6.2.1 Administrative Officers

##### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

**Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)**

Lorraine Chalifour; B.Sc., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Nathan Hall; B.A., M.A., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.)

**Associate Dean (Graduate and Postdoctoral Studies)**

#### 6.2.2 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.

#### 6.2.3 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.

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### 6.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](http://mcgill.ca/importantdates).

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## 6.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 6.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 6.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) 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.

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## 6.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources > Graduate > section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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## 6.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### 6.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist them in research.

Postdocs must be appointed by their department and registered with Enrolment Services in order to have access to University facilities (library, computer, etc.).

### 6.8.2 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

- i. 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 [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.

ii. 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.

iii. 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**

i. Postdocs must *re*

- 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.

v. 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 reg

**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 Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

#### General Conditions

- The maximum duration is three years.
- 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 professor to supervise the research and of the Unit.
- The individual must have adequate proficiency in English, but is 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.

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## 6.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 6.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities

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## 6.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human Participants
- Policy on the Study and Care of Animals
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research

*section 6.12.1.5: Master of Architecture (M.Arch.) Professional (Non-Thesis) (60 credits)*

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 creati

- Completed Program Comparison Chart (newly updated excel file at number 7 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

**Associate Professor (Post-Retirement)**

Ricardo L. Castro

**Professors**

Annmarie Adams, Martin Bressani, Avi Friedman

**Associate Professors**

David Covo, Michael Jemtrud, Nik Luka, David Theodore, Ipek Türeli

**Assistant Professors**

Alan Dunyo Avorgbedor, Salmaan Craig, Naomi Keena, Theodora Vardouli

**Professors of Practice**

Howard Davies, Peter Guo-hua Fu, Julia Gersovitz, Andrew King

**Adjunct Professor**

Conor Sampson

**Course Lecturers**

Vedanta Balbahadur, Ewan Branda, Evelyne Bouchard, Gregory Caicco, Morgan Carter, Nancy Dunton, Tom Egli, Aniel Guxholli, Charles Gregoire, Olga Karpova, Shane Laptiste, Daniela Leon, Julia Manacas, Sybil McKenna, Samiha Meem, Marc-André Plourde, Cailen Pybus, Sophie Robitaille, Rebecca Taylor, Jennifer Thorogood

**6.12.1.5 Master of Architecture (M.Arch.) Professional (Non-Thesis) (60 credits)**

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 (42 credits)**

ARCH 672	(9)	Architectural Design Studio 1
ARCH 673	(9)	Architectural Design Studio 2
ARCH 674	(3)	Professional Practice 1
ARCH 676	(9)	Advanced Architectural Design
ARCH 678	(3)	Advanced Construction
ARCH 683	(9)	Directed Research Project

**Complementary Courses (18 credits)**

18 credits chosen from among the following:

ARCH 514	(3)	Community Design Workshop
ARCH 515	(3)	Sustainable Design
ARCH 517	(3)	Sustainable Residential Development
ARCH 525	(3)	Seminar on Analysis and Theory
ARCH 528	(3)	History of Housing
ARCH 531	(3)	Architectural Intentions Vitruvius - Renaissance
ARCH 532	(3)	Origins of Modern Architecture
ARCH 535	(3)	History of Architecture in Canada
ARCH 536	(3)	Heritage Conservation
ARCH 540	(3)	Selected Topics in Architecture 1



ARCH 541	(3)	Selected Topics in Architecture 2
ARCH 542	(3)	Selected Topics in Architecture 3
ARCH 543	(3)	Selected Topics in Architecture 4
ARCH 562	(3)	Innovative Homes and Communities

## 6.12.2 Bioengineering

### 6.12.2.1 Location

Department of Bioengineering  
McConnell Engineering Building, Room 350  
3480 University Street  
Montreal 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)

### 6.12.2.2 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
- Biomedical, diagnostics, and high throughput screening

### 6.12.2.3 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 [section 8.12.1: Biological and Biomedical Engineering](#) and the [Biological and Biomedical Engineering website](#) for further information on this program.

### 6.12.2.4 Bioengineering Faculty

#### Chair

Dan V. Nicolau

#### Professors

Dan V. Nicolau; Amine Kamen; Sebastian Wachsmann-Hogiu; Yu (Brandon) Xia

#### Associate Professors

Allen Ehrlicher; Adam Hendricks; J. Matt Kinsella; Georgios Mitsis

#### Assistant Professors

Codruta Ignea; Sara Mahshid; Natalie Reznikov; Caroline Wagner

## 6.12.3 Chemical Engineering

### 6.12.3.1 Location

Department of Chemical Engineering  
M.H. Wong Building  
3610 University Street  
Montreal QC H3A 0C5  
Canada  
T

Email: [gradcoordinator.chemeng@mcgill.ca](mailto:gradcoordinator.chemeng@mcgill.ca)

Website: [mcgill.ca/chemeng](http://mcgill.ca/chemeng)

### 6.12.3.2 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

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.

***section 6.12.3.5: Master of Science (M.Sc.) Chemical Engineering (Thesis) (45 credits)***

The M.Eng. in Chemical Engineering (Thesis) is a research-oriented degree that allows the candidates to refine their skills by expanding their knowledge of chemical engineering through coursework and a research thesis under the supervision of a Faculty member (professor). The M.Eng. (Thesis) program offers advanced training in not only fundamentals but also research methods and is, therefore, the more suitable option for those whose primary interest is research. Graduates of this degree either pursue a Ph.D. or work in industry.

#### **6.12.3.3.3 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 adv

CHEE 688 (4) Advanced Materials in Chemical Engineering

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.

#### **6.12.3.6 Master of Engineering (M.Eng.) Chemical Engineering (Non-Thesis) (45 credits)**

##### **Research Project**

Project (design or research): 6-12 credits.

6 credits must include the following course:

CHEE 695 (6) Project in Chemical Engineering

##### **Complementary Courses**

33-39 credits (a minimum of 18 credits in Chemical Engineering) at the 500, 600, or 700 level.

9 credits must be in an area of concentration.

12 additional courses at the 500, 600, or 700 level.

#### **6.12.3.7 Master of Engineering (M.Eng.) Chemical Engineering (Non-Thesis): Environmental Engineering (45 credits)**

This program is currently not accepting applicants.

##### **Research Project (6 credits)**

CHEE 695 (6) Project in Chemical Engineering

##### **Required Courses (6 credits)**

CHEE 591 (3) Environmental Bioremediation

CIVE 615 (3) Environmental Engineering Seminar

##### **Complementary Courses (22 credits)**

Minimum of 22 credits

##### **Data analysis course: (3 credits)**

AEMA 611 (3) Experimental Designs 1

CIVE 555 (3) Environmental Data Analysis

PSYC 650 (3) Advanced Statistics 1

##### **Toxicology: (3 credits)**

OCCH 612 (3) Principles of Toxicology

OCCH 616 (3) Occupational Hygiene

##### **Water pollution engineering: (4 credits)**

CIVE5611sefory: (4) Theory: W

CIVE 660 (4) Chemical and Physical Treatment of Waters

**Air pollution engineering: (3 credits)**

CHEE 592 (3) Industrial Air Pollution Control

MECH 534 (3) Air Pollution Engineering

**Soil and water quality management: (3 credits)**

BREE 533 (3) Water Quality Management

CIVE 686 (4) Site Remediation

**Environmental impact: (3 credits)**

GEOG 601 (3) Advanced Environmental Systems Modelling

or an approved 500-, 600-, or 700-level alternative.

**Environmental policy: (3 credits)**

URBP 506 (3) Environmental Policy and Planning  
~~EEEE 589~~

or an approved 500-, 600-, or 700-level alternative.

**Elective Courses (11 credits)**

**Cwledge. ItPmstrash**

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CHEE 621	(4)	Thermodynamics
CHEE 631	(4)	Foundations of Fluid Mechanics
CHEE 641	(4)	Chemical Reaction Engineering



### 6.12.4.3 Civil Engineering Admission Requirements and Application Procedures

#### 6.12.4.3.1 Admission Requirements

The general rules of Graduate and Postdoctoral Studies apply and are detailed in [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#). 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.

**Thesis Courses (27 credits)**

CIVE 630	(3)	Thesis Research 1
CIVE 631	(3)	Thesis Research 2
CIVE 632	(3)	Thesis Research 3
CIVE 633	(6)	Thesis Research 4
CIVE 634	(6)	Thesis Research 5
CIVE 635	(6)	Thesis Research 6

**Required Course**



CIVE 651	(4)	Theory: Water / Wastewater Treatment
CIVE 677	(4)	Water-Energy Sustainability

### Transportation

CIVE 540	(3)	Urban Transportation Planning
CIVE 542	(3)	Transportation Network Analysis
CIVE 560	(3)	Transportation Safety and Design
CIVE 609	(4)	Risk Engineering

### 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.

CIVE 520	(3)	Groundwater Hydrology
CIVE 521	(3)	Nanomaterials and the Aquatic Environment
CIVE 527	(3)	Renovation and Preservation: Infrastructure
CIVE 528	(3)	Design of Wood Structures
CIVE 550	(3)	Water Resources Management
CIVE 557	(3)	Microbiology for Environmental Engineering
CIVE 561	(3)	Greenhouse Gas Emissions
CIVE 573	(3)	Hydraulic Structures
CIVE 574	(3)	Fluid Mechanics of Water Pollution
CIVE 577	(3)	River Engineering
CIVE 604	(4)	Theory of Plates and Shells
CIVE 605	(4)	Stability of Structures
CIVE 607	(4)	Advanced Design in Steel
CIVE 612	(4)	Earthquake-Resistant Design
CIVE 614	(4)	Composites for Construction
CIVE 615	(3)	Environmental Engineering Seminar
CIVE 616	(4)	Nonlinear Structural Analysis for Buildings
CIVE 617	(4)	Bridge Engineering
CIVE 618	(4)	Design in Concrete 1
CIVE 622	(4)	Prestressed Concrete
CIVE 625	(4)	Condition Assessment of Existing Structures
CIVE 628	(4)	Advanced Design of Wood Buildings
CIVE 637	(4)	Discrete Choice Modeling in Transportation
CIVE 652	(4)	Bioprocesses for Wastewater Resource Recovery
CIVE 660	(4)	Chemical and Physical Treatment of Waters
CIVE 661	(4)	Modelling of Transportation Emissions
CIVE 663	(4)	Environmental Fate of Organic Chemicals
	80.n Design	Advanced Foundation Design



- Nano-Electronic Devices and Materials;
- Photonic Systems;
- Computational Electromagnetics;
- Power Engineering;
- Intelligent Systems; and

*section 6.12.5.5: Master of Science (M.Sc.) Electrical Engineering (Thesis) (45 credits)*

\*\* This program replaces the M.Eng. Electrical Engineering (Thesis) program as of January 2020 \*\*

The Master of Science in Electrical Engineering (Thesis) is research-oriented and 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.

Application Opening Dates		Application Deadlines		
		All Applicants	Non-Canadian citizens (Incl. Special, Visiting, and Exchange)	Canadian Citizens/Perm. Residents of Canada (Incl. Special, Visiting, and Exchange)
<b>Fall Term:</b>	Sept. 15	Dec. 15	Dec. 15	Dec. 15
<b>Winter Term:</b>	Feb. 15	Aug. 1	Oct. 15	Oct. 15
<b>Summer Term:</b>	N/A	N/A	N/A	N/A

All supporting documents must be uploaded to the online application system by the application deadlines.

#### 6.12.5.4 Electrical and Computer Engineering Faculty

##### Chair

Warren Gross

##### Associate Chair, Academic

Ioannis Psaromiligkos

##### Associate Chair, Undergraduate Programs

François Bouffard

##### Associate Chair, Graduate Programs

Benoit Champagne

##### Associate Chair, Operations

Dennis Giannacopoulos

##### Emeritus Professors

Pierre R. Bélanger; Maier L. Blostein; Frank Ferrie; Peter Kabal; Martin D. Levine; Boon-Teck Ooi; Tomas J.F. Pavlasek; Nicholas C. Rumin; Jonathan P. Webb

##### Professors

Tal Arbel; Benoit Boulet; Peter E. Caines; Benoit Champagne; Lawrence Chen; James Clark; Mark Coates; Jeremy R. Cooperstock; Warren Gross; Geza Joos; Andrew G. Kirk; Fabrice Labeau; Harry Leib; Tho Le-Ngoc; David V. Plant; Gordon Roberts; Martin Rochette; Thomas Szkopek; Zeljko Zilic

##### Associate Professors

François Bouffard; Christophe Dubach; Mourad El-Gamal; Dennis Giannacopoulos; Roni Khazaka; Odile Liboiron-Ladouceur; Aditya Mahajan; Muthucumaru Maheswaran; Brett Meyer; Hannah Michalska; Gunter Mussbacher; Derek Nowrouzezahrai; Milica Popovich; Ioannis Psaromiligkos; Xiaozhe Wang

##### Assistant Professors

Narges Armanfard; Sharmistha Bhadra; Amin Emad; Hsiu-Chin Lin; AJung Moon; Boris Vaisband; Songrui Zhao; Lili Wei

##### Faculty Lectur





## 6.12.6 Mechanical Engineering

### 6.12.6.1 Location

Department of Mechanical Engineering  
Macdonald Engineering Building  
817 Sherbrooke Street West, Room MD-270  
Montreal QC H3A 0C3  
Canada  
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)

### 6.12.6.2 About Mechanical Engineering

Mechanical engineers are traditionally concerned with the conception, design, implementation, and operation of mechanical systems. Common fields of work include aerospace, energy, manufacturing, machinery, and transportation. Due to the broad nature of the discipline, there is usually a high demand for mechanical engineers with advanced training.

T2j4Department includes more than 30 f

The Department offers programs of study leading to the M.Sc. and Ph.D. degrees in Mechanical Engineering. Both M.Sc. (Thesis) and M.Eng. (Non-Thesis) programs are offered.

There are several options for completing master's degrees that do not involve the completion of a thesis. The M.Eng. (Non-Thesis) program has more extensive course requirements and will appeal to students who desire to gain both a broad understanding of subjects within Mechanical Engineering as well as in-depth information in a specific area. Other non-thesis master's degree options are described below.

*section 6.12.6.7: Master of Science (M.Sc.) Mechanical Engineering (Thesis) (45 credits)*

M.Sc. is a research program requiring a minimum of 45 credits to be distributed as follows: 28 credits of thesis work, a set of one-semester courses with

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.

#### **6.12.6.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

Please consult [mcgill.ca/mecheng/grad](http://mcgill.ca/mecheng/grad) for further details on required application documents.

##### **6.12.6.3.2.1 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

#### **6.12.6.3.3 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 documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/gr](http://mcgill.ca/gps/contact/gr)

**Senior Academic Associate**

Amar Sabih

**6.12.6.5 Master of Engineering (M.Eng.) Mechanical Engineering (Non-Thesis) (45 credits)**

**Research Project (13 credits)**

MECH 603	(9)	M. Eng. Project 1
MECH 604	(3)	M. Eng. Project 2
MECH 609	(1)	Seminar

MECH 694	(6)	M.Sc. Thesis Progress Report 2
MECH 695	(12)	M.Sc. Thesis

\* Note: MECH 691 must be completed in the first term of the student's program.

### Required Course

1 credit:

MECH 609	(1)	Seminar
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### 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.

#### 6.12.6.8 Doctor of Philosophy (Ph.D.) Mechanical Engineering

Candidates normally register for the M.Eng. degree in the first instance. However, in exceptional cases where the research work is proceeding very satisfactorily, or where the equivalent of the M.Eng. degree has been completed at another university, candidates may be permitted to proceed directly to the Ph.D. degree without submitting a master's thesis as long as they have satisfied the course requirements for the M.Eng. degree.

### Thesis

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

MECH 700	(0)	Ph.D. Literature Review
MECH 701	(0)	Ph.D. Thesis Proposal
MECH 702	(0)	Ph.D. Comprehensive Preliminary Oral Examination

## 6.12.7 Mining and Materials Engineering

### 6.12.7.1 Location

Department of Mining and Materials Engineering

M.H. Wong Building

3610 University Street

Montreal QC H3A 0C5

Canada

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

### 6.12.7.2 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**

*section 6.12.7.5: Master of Science (M.Sc.) Materials Engineering (Thesis) (45 credits)*

Please consult the Department for more information aboutEn

***section 6.12.7.8: Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis): Environmental Engineering (45 credits)***

Please consult the Department for more information about the M.Eng. Materials Engineering (Non-Thesis) program.

***section 6.12.7.9: Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis) (45 credits)***

Please consult the Department for more information about the M.Eng. Mining Engineering (Project) program.

***section 6.12.7.10: Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis): Environmental Engineering (45 credits)***

Please consult the Department for more information about the M.Eng. Mining Engineering (Non-Thesis) program.

***section 6.12.7.11: Doctor of Philosophy (Ph.D.) Materials Engineering***

Please consult the Department for more information about the Ph.D.

***section 6.12.7.12: Doctor of Philosophy (Ph.D.) Mining Engineering***

Please consult the Department for more information about the Ph.D.

***section 6.12.7.13: Graduate Diploma (Gr. Dip.) Mining Engineering (30 credits)***



**Associate Chair, Materials Engineering**

Jun Song

**Associate Chair and Graduate Program Director**

Mathieu Brochu

**Graduate Program Coordinator**

Barbara Hanley

**Emeritus Professors**

James A. Finch; John E. Gruzleski; John J. Jonas; Gordon W. Smith

**Professors**

Marta Cerruti; Richard Chromik; George P. Demopoulos; Roussos Dimitrakopoulos; Raynald Gauvin; Roderick I.L. Guthrie; Faramarz (Ferri) P. Hassani; Hani S. Mitri; Mihriban Pekguleruz; Stephen Yue

**Associate Professors**

Kirk Bevan; Mathieu Brochu; Mustafa Kumral; Showan Nazhat; Sidney Omelon; Nathaniel Quitoriano; Agus Pulung Sasmito; Jun Song; Kristian Waters

**Assistant Professor**

Jinhyuk Lee; Alessandro Navarra; Philippe Ouzilleau

**Adjunct Professors**

Behnam Ashrafi; Salim Brahim; Michel Gamache; Alice Jarry; Luis Javier Montiel Petro; Amina Lamghari; Priti Wanjara; Karim Zaghbi

**Senior Faculty Lecturer**

Florence Paray

**Faculty Lecturer**Shahe Shnorhokian (*Mining*)**Co-op Program Liaison Officers**Genevieve Snider (*Materials*); Lisa Thiess (*Mining*)**6.12.7.5 Master of Science (M.Sc.) Materials Engineering (Thesis) (45 credits)**

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)**

MIME 690	(6)	Thesis Research 1
MIME 691	(3)	Thesis Research 2
MIME 692	(6)	Thesis Research 3
MIME 693	(3)	Thesis Research 4
MIME 694	(6)	Thesis Research 5
MIME 695	(3)	Thesis Research 6

**Required Courses (9 credits)**

MIME 601	(0)	Engineering Laboratory Practice
MIME 610D1	(1.5)	Master's Foundation Course



#### **6.12.7.8 Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis): Environmental Engineering (45 credits)**

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 perspectiv

**Environmental Impact Course**

(minimum 22 credits)

### Data Analysis Course

3 credits from the following:

AEMA 611	(3)	Experimental Designs 1
CIVE 555	(3)	Environmental Data Analysis
PSYC 650	(3)	Advanced Statistics 1

### Toxicology Course

3 credits from the following:

OCCH 612	(3)	Principles of Toxicology
OCCH 616	(3)	Occupational Hygiene

### Water Pollution Engineering Course

4 credits from the following:

CIVE 651	(4)	Theory: Water / Wastewater Treatment
CIVE 652	(4)	Bioprocesses for Wastewater Resource Recovery
CIVE 660	(4)	Chemical and Physical Treatment of Waters

### Air Pollution Engineering Course

3 credits from the following:

CHEE 592	(3)	Industrial Air Pollution Control
MECH 534	(3)	Air Pollution Engineering

### Soil and Water Quality Management Course

3-4 credits from the following:

BREE 533	(3)	Water Quality Management
CIVE 686	(4)	Site Remediation

### Environmental Impact Course

3 credits from the following:

GEOG 601	(3)	Advanced Environmental Systems Modelling
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or an approved 500-, 600-, or 700-level alternative.

### Environmental Policy Course

3 credits from the following:

URBP 506	(3)	Environmental Policy and Planning
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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:

**6.12.7.11 Doctor of Philosophy (Ph.D.) Materials Engineering**

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 e

**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 Adviser.

**6.12.8 Trottier Institute for Sustainability in Engineering and Design****6.12.8.1 Location**

TISED

Lorne M. Trottier Building, Room 2054

3630 University Street

Montreal, QC, H3A 2B3

Email: [tised@mcgill.ca](mailto:tised@mcgill.ca)

Website: [mcgill.ca/tised](http://mcgill.ca/tised)

**6.12.8.2 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

Meeting minimum admission standards does not guarantee admission.

#### 6.12.8.3.2 Application Procedure

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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### 6.12.8.3.3 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/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.

Application Deadlines differ for International and Canadian (and Permanent Resident) students to allow time to obtain a visa.

#### 6.12.8.4 Master of Engineering (M.Eng.) Sustainability in Engineering and Design (Non-Thesis) (45 credits)

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)

SEAD 500	(3)	Foundations of Sustainability for Engineering and Design
SEAD 510	(4)	Energy Analysis
SEAD 520	(3)	Life Cycle-Based Environmental Footprinting
SEAD 530	(3)	Economics for Sustainability in Engineering and Design
SEAD 540	(3)	Industrial Ecology and Systems
SEAD 550	(3)	Decision-Making for Sustainability in Engineering and Design
SEAD 660	(3)	Strategies for Sustainability
SEAD 670	(5)	Collaborative Design for Sustainability

#### Complementary Courses (18 credits)

Students will take 12 to 18 credits from courses in one or two streams:

##### Stream 1 - Sustainable Processes and Manufacturing

CHEE 511	(3)	Catalysis for Sustainable Fuels and Chemicals
CHEE 521*	(3)	Nanomaterials and the Aquatic Environment
CIVE 521*	(3)	Nanomaterials and the Aquatic Environment
CIVE 663	(4)	Environmental Fate of Organic Chemicals
CIVE 677	(4)	Water-Energy Sustainability
MECH 534	(3)	Air Pollution Engineering
MECH 560	(3)	Eco-design and Product Life Cycle Assessment

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Water-Ener

NOTE: \* Students must find a supervisor from a McGill engineering, urban planning or architecture program before registering for SEAD 600 and SEAD 602, subject to approval by the program director.

NOTE: Other unlisted 500 level or higher courses taught at McGill may be permitted, subject to approval by the program director.

## **6.12.9 Urban Planning**

### **6.12.9.1 Location**

School of Urban Planning  
Macdonald Harrington Building, Room 400  
815 Sherbrooke Street West  
Montreal QC H3A 0C2  
Canada  
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)

### **6.12.9.2 About Urban Planning**

Urban planning is the process by which a community shapes its environment to meet its needs and realize its aspirations. 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 Urban Planning profession 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 e

***section 6.12.9.8: Master of Urban Planning (M.U.P.) Urban Planning (Non-Thesis): Urban Development and Urban Design (60 credits)***

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, communication skills, and understanding of complex development processes.

***section 6.12.9.9: Doctor of Philosophy (Ph.D.) Urban Planning, Policy and Design***

The Ph.D. in Urban Planning, Policy and Design prepares students for advanced research and teaching on the processes that govern the management, development, and ev

### **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).

#### **6.12.9.3.2 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/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.

#### **6.12.9.4 -0 1 103.657 5pF aculty**



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 follo

URBP 651	(3)	Redesigning Suburban Space
URBP 656	(3)	Urban Innovation and Creativity

**Group B**

0-9 credits from the following:

0-9 credits at the 500 or 600 level of coursework offered by an

URBP 537	(2)	Current Issues in Transportation 2
URBP 608	(3)	Advanced GIS Applications
URBP 620	(4)	Transport Economics
URBP 643	(1)	Selected Geographic Information Systems Applications

Group B

0-6 credits

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



URBP 620	(4)	Transport Economics
URBP 629	(3)	Planning Theory and Practice in a Globalizing World
URBP 651	(3)	Redesigning Suburban Space
URBP 656	(3)	Urban Innovation and Creativity

**Group B (0-6 credits)**

0-6 credits from the following or other 500 or 600 level courses (see note below):

ARCH 515	(3)	Sustainable Design
GEOG 525	(3)	Asian Cities in the 21st Century
URBP 501	(2)	Principles and Practice 1
URBP 503	(3)	Public Transport: Planning and Operations
URBP 504	(3)	Planning for Active Transportation
URBP 506	(3)	Environmental Policy and Planning
URBP 514	(3)	Community Design Workshop
URBP 530	(3)	Urban Infrastructure and Services in International Context
URBP 541	(1)	Selected Topics in Planning
URBP 542	(1)	Selected Topics in Visual Analysis
URBP 543	(3)	Special Topics
URBP 556	(3)	Urban Economy: A Spatial Perspective
URBP 607	(3)	Reading Course: Urban Planning
URBP 616	(3)	Selected Topics 1
URBP 617	(3)	Selected Topics 2
URBP 618	(3)	Selected Topics 3
URBP 619	(4)	Land Use and Transport Planning
URBP 625	(2)	Principles and Practice 2
URBP 626	(2)	Principles and Practice 3
		Selected Geographic Information Systems

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.

URBP 612	(3)	History and Theory of Planning
URBP 701	(0)	Doctoral Comprehensive Examination
URBP 703	(3)	Doctoral Research Seminar 1
URBP 704	(3)	Doctoral Research Seminar 2
URBP 709	(0)	Doctoral Research Proposal

### **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.

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## **7 Bieler School of Environment**

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### **7.1 Dean's Welcome**

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## 7.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### 7.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist them in research.

Postdocs must be appointed by their department and registered with Enrolment Services in order to have access to University facilities (library, computer, etc.).

### 7.8.2 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

i. 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 [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.

ii. 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.

iii. 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

i. 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](#).

ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.

iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

#### 3. Appointment, Funding, Letter of Agreement

i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.

ii. 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.

iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. 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.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

#### 4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](http://mcgill.ca/students/srr), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. 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.

iv. Postdocs may be listed in the McGill directory.

v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.

- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have access to the services provided by the Ombudsperson.
- x. 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.
- xi. 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

- i. Postdocs are subject to the responsibilities outlined at [mcgill.ca/students/srr](http://mcgill.ca/students/srr) and must abide by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).
- ii. Each academic unit hosting postdocs should clearly identify postdocs' needs and the means by which they will be met by the unit.
- iii. Each academic unit should assess the availability of research supervision facilities, office space, and research funding before recruiting postdocs.
- iv. Some examples of the responsibilities of the academic unit are:  
**Agpp**
  - 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.
- v. 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.
- vi. 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/students/srr](http://mcgill.ca/students/srr), and the Graduate and Postdoctoral Studies *University Regulations and Resources*;
  - to submit a complete file for registration 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.
- vii. Some examples of the responsibilities of the University are:
  - to register postdocs;
  - to provide an appeal mechanism in cases of conflict;
  - to provide documented policies and procedures to postdocs;
  - to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and 1 81.693 373

#### 7.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

#### 7.8.5 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 the Doctoral degree or 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.

- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 7.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Bookstore
- Computer Store
- Day Care

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## 7.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources > Graduate > section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investig

Montreal QC H3A 2A7  
Telephone: 514-398-2827

**Coordinator** – C. Zhu  
Telephone: 514-398-2827  
Email: [christina.zhu@mcgill.ca](mailto:christina.zhu@mcgill.ca)  
Website: [mcgill.ca/environment](http://mcgill.ca/environment)  
Graduate Option website: [mcgill.ca/environment/envroption](http://mcgill.ca/environment/envroption)

### 7.12.1.2 About Environment

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 Option

- To provide thesis or non-thesis students with an understanding of how knowledge is transferred into action with regard to the environment;
- To develop an appreciation of the role of scientific, political, socioeconomic, and ethical judgments in influencing that process;
- To provide a forum whereby graduate students in environment throughout the University bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking.

Students admitted into the Environment option will be supervised or co-supervised by 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.

#### Program List

The Environment option is currently available with the following graduate programs:

[section 3.12.1: Anthropology](#)

[section 3.12.1.7](#)



***section 3.12.9: Geography***

*section 3.12.9.7: Master of Arts (M.A.) Geography (Thesis): Environment (45 credits) ( **Science** > Graduate > Browse Academic Units & Programs > Geography)*

*section 15.12.6.6: Master of Science (M.Sc.) Geography (Thesis): Environment (45 credits) ( **Science** > Graduate > Browse Academic Units & Programs > Geo*





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## 8.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 8.5 Program Requirements

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 8.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > [Graduate](#) >

- ii. 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.
- iii. 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

- i. 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](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

## 3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. 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.
- iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- iv. 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.
- v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

## 4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).
- ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.
- iii. 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](#). *Tuition and other charges* will apply.
- iv. Postdocs may be listed in the McGill directory.
- v. Access to sports facilities may be purchased on a monthly basis through McGill Athletics and Recreation.
- vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically charged.
- vii. Postdocs are permitted membership in the Faculty Club; an annual fee will be charged for this membership.
- viii. Postdocs are encouraged to participate in Professional Development Workshops provided by Graduate and Postdoctoral Studies, and Teaching and Learning services. These sessions are usually free of charge.
- ix. Postdocs have aced Recred457 Tm(4.)Tj/F3 to 12.24 Tm(orkshidoc64euog(ol for)Tj0 Tw1 0 0 1 81.693 407 Tm(e postdoctorv6Tf1 0 0 1 240.504 3.52 1 528aen

- 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.

v. 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.

vi. 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/students/srr](http://mcgill.ca/students/srr), and the Graduate and Postdoctoral Studies [University Regulations and Resources](#);
- to submit a complete file for registration 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.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

### 8.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

### 8.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

### 8.8.5 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/had;

**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.









3 credits from the following:

BIEN 510	(3)	Engineered Nanomaterials for Biomedical Applications
BIEN 530	(3)	Imaging and Bioanalytical Instrumentation
BIEN 540	(3)	Information Storage and Processing in Biological Systems
BIEN 550	(3)	Biomolecular Devices
BIEN 560	(3)	Design of Biosensors
BIEN 570	(3)	Active Mechanics in Biology
BIEN 590	(3)	Cell Culture Engineering
BIEN 680	(4)	Bioprocessing of Vaccines
BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 525D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 525D2	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 650	(3)	Advanced Medical Imaging
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 660	(3)	Advanced MR Imaging and Spectroscopy of the Brain
MDPH 607	(3)	Medical Imaging

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.

#### 8.12.1.6 Master of Engineering (M.Eng.) Biological and Biomedical Engineering (Non-Thesis) (45 credits)

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)

BBME 681	(9)	Internship 1
BBME 682	(9)	Internship 2

#### Required Courses

BBME 600D1*	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600D2*	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N1*	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N2*	(1.5)	Seminars in Biological and Biomedical Engineering

\* Students take either BBME 600D1 and BBME 600D2 or BBME 600N1 and BBME 600N2.

### Complementary Courses (24 credits)

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:

BIEN 510	(3)	Engineered Nanomaterials for Biomedical Applications
BIEN 530	(3)	Imaging and Bioanalytical Instrumentation
BIEN 550	(3)	Biomolecular Devices
BIEN 560	(3)	Design of Biosensors
BIEN 570	(3)	Active Mechanics in Biology
BIEN 590	(3)	Cell Culture Engineering
BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems
BMDE 520	(3)	Machine Learning for Biomedical Data
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 660	(3)	Advanced MR Imaging and Spectroscopy of the Brain
MDPH 607	(3)	Medical Imaging

#### Non-Quantitative Core Courses:

BIEN 535	(3)	Electron Microscopy and 3D Imaging for Biological Materials
BIEN 540	(3)	Information Storage and Processing in Biological Systems
BIEN 580	(3)	Synthetic Biology
BIEN 680	(4)	Bioprocessing of Vaccines
BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 510	(3)	Topics in Astrobiology
BMDE 525D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 525D2	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 650	(3)	Advanced Medical Imaging
BMDE 651	(3)	Orthopaedic Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices

The remaining 12 credits of complementary courses must come from core or non-core complementary courses chosen from BBME courses or from other courses, a the 500 level or higher. At least 6 of the 12 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.

#### 8.12.1.7 Master of Engineering (M.Eng.) Biological and Biomedical Engineering (Non-Thesis) - Biomanufacturing (45 credits)

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)

BBME 600D1**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600D2**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N1**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 600N2**	(1.5)	Seminars in Biological and Biomedical Engineering
BBME 681*	(9)	Internship 1
BBME 682*	(9)	Internship 2

\* must take place in the Biomanuf

BIEN 580	(3)	Synthetic Biology
BIEN 680	(4)	Bioprocessing of Vaccines
BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering
BMDE 525D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 525D2	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 650	(3)	Advanced Medical Imaging
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices

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.

#### **8.12.1.8 Doctor of Philosophy (Ph.D.) Biological and Biomedical Engineering**

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**

##### 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**

BBME 701	(0)	Ph.D. Comprehensive Examination
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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.

### **8.12.2 Graduate Certificate in Foundations of Health Science Education**

#### **8.12.2.1 Locations**

Institute of Health Sciences Education, McGill University  
Lady Meredith House, Room 205  
1110 Pine Avenue West  
Montreal, Quebec H3A 1A3  
Website: [mcgill.ca/ihse/education/graduate-certificate-foundations-hse](http://mcgill.ca/ihse/education/graduate-certificate-foundations-hse)

Department of Educational and Counselling Psychology  
Education Building, Room 614  
3700 McTavish Street  
Montreal, Quebec H3A 1Y2  
1110 Pine Avenue West

Website: [mcgill.ca/edu-ecp/programs/prodev](http://mcgill.ca/edu-ecp/programs/prodev)

#### **8.12.2.2 About the Graduate Certificate in Foundations of Health Science Education**

As demand increases for experienced health care professionals with the skills to educate the next generation, the Institute of Health Sciences Education and the Department of Educational and Counselling Psychology are proud to offer a new Graduate Certificate in Foundations of Health Sciences Education.

In this interdisciplinary program, learners will gain knowledge of current education theories, as well as the expertise to apply this knowledge in health sciences curriculum design, instruction, assessment, and program evaluation. They will also be able to apply concepts of educational leadership and scholarship in their role as an educator in clinical and basic science settings. Expertise in this field can lead to leadership opportunities in clinical education, universities and education research.

The graduate certificate is of

### **8.12.3 Neuroscience (Integrated Program)**

#### **8.12.3.1 Location**

Montreal Neurological Institute, Room 141  
3801 Univ



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.

The applicant must present evidence of high academic achievement. A standing equivalent to a cumulative grade point average (CGPA) of 3.0 out of a possible 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

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 & 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 scholastic standing equal to, or greater than, the minimum cumulative grade point average of 3.5 out of 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 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.

#### **8.12.3.3.2 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](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [se 0 0 13160f1 0 0 1 42PN43.93 441.8 Tm.](#)

## Professors

J. Gotman; A. Gratton; J. Grodzinsky; D. Guitton; D. Haegert; E. Hamel; K. Hastings; R.T. Hepple; R. Hess; R. Joober; D. Juncker; T. Kennedy; S. King; F. Kingdom; P. Lachapelle; N. Lamarche; M. Lepage; L. Levin; M.F. Levin; M. Leyton; G. Luheshi; D. Maysinger; H.M. McBride; A. McKinney; P.S. McPherson; M.J. Meaney; T.E. Milner; J.S. Mogil; K. Mullen; G. Multhaup; K. Murai; K. Nader; J. Nalbantoglu; J. Orłowski; D.J. Ostry; C. Pack; C. Palmer; K. Pantopoulos; M. Pell; M. Petrides; G. Plourde; J. Poirier; A. Ptito; N. Rajah; Y. Rao;

Students with an M.D. degree proceeding directly into a Ph.D. program will be required to take NEUR 630 and NEUR 631. They will also be required to take 6 credits of graduate-level courses.

### 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)

NEUR 630	(3)	Principles of Neuroscience 1
NEUR 631	(3)	Principles of Neuroscience 2
NEUR 700	(0)	Doctoral Candidacy Examination
NEUR 705	(0)	Responsible Research Conduct

### Complementary Courses (6 credits)

6 credits at the 500, 600, or 700 level, approved by the graduate program adviser.

## 8.12.4 Quantitative Life Sciences

### 8.12.4.1 Location

Telephone: 514-398-4826

Email: [coordinator.qls@mcgill.ca](mailto:coordinator.qls@mcgill.ca)

Website: [mcgill.ca/qls](http://mcgill.ca/qls)

### 8.12.4.2 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.

#### *section 8.12.4.5: Doctor of Philosophy (Ph.D.) Quantitative Life Sciences*

Please refer to the [QLS website](http://qls.mcgill.ca) for further details.

### 8.12.4.3 Quantitative Life Sciences Admission Requirements and Application Procedures

#### 8.12.4.3.1 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



## **Associate Professors**

*Mathematics and Statistics:* L. Addario-Berry, T. Humphries

*Medicine:* A. Benedetti

*Microbiology and Immunology:* J. Shapiro

*Neurology and Neurosurgery:* C. Pack, J.B. Poline

*Physics:* P. Francois

*Physiology:* C. Brown, G. Bub, M. Chacron, M. Chacron, T. Humphries, A. Khadra, S. Krishna, U. Stochaj

## **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

BIEN 530	(3)	Imaging and Bioanalytical Instrumentation
	(3)	Finite-Element Modelling in Biomedical Engineering

HGEN 661	(3)	Population Genetics
HGEN 692	(3)	Human Genetics
PHAR 503	(3)	Drug Discovery and Development 1
PHAR 505	(3)	Structural Pharmacology
QLSC 611	(3)	Directed Readings

### **Ecosystems Stream**

#### Quantitative

ENVB 506	(3)	Quantitative Methods: Ecology
MATH 523	(4)	Generalized Linear Models
MATH 525	(4)	Sampling Theory and Applications
MATH 533	(4)	Regression and Analysis of Variance
MATH 537	(4)	Honours Mathematical Models in Biology
MATH 547	(4)	Stochastic Processes
MATH 556	(4)	Mathematical Statistics 1
MATH 682	(4)	Statistical Inference
QLSC 611	(3)	Directed Readings

#### Life Sciences

BIOL 509	(3)	Methods in Molecular Ecology
BIOL 510	(3)	Advances in Community Ecology
BIOL 540*	(3)	Ecology of Species Invasions
BIOL 594	(3)	Advanced Evolutionary Ecology
ENVR 540*	(3)	Ecology of Species Invasions
QLSC 611	(3)	Directed Readings

\* Students either choose BIOL 540 or ENVR 540 but not both.

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## 9.2 Graduate and Postdoctoral Studies

### 9.2.1 Administrative Officers

#### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

**Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)**

Lorraine Chalifour; B.Sc., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Nathan Hall; B.A., M.A., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.)

**Associate Dean (Graduate and Postdoctoral Studies)**

### 9.2.2 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.

### 9.2.3 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.

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## 9.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](http://mcgill.ca/importantdates).

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## 9.4 Graduate Studies at a Glance



- Admission requirements;
- Application procedures;
- Competency in English; and
- Other information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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## 9.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources > Graduate > section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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## 9.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral Research* section of this publication contains important details postdoctoral scholars will require during their studies at McGill and should be periodically consulted, along with other sections and related publications.

### 9.8.1 Postdocs

Postdocs are recent graduates with a Ph.D. or equivalent (i.e., Medical Specialist Diploma) engaged by a member of the University's academic staff, including Adjunct Professors, to assist them in research.

Postdocs must be appointed by their department and registered with Enrolment Services in order to have access to University facilities (library, computer, etc.).

### 9.8.2 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

- 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 [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.
- 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.
- 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

- 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](#).
- Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources > Graduate > Regulations > Categories of Students > section 1.2.8: Leave of Absence Status](#)).

#### 3. Appointment, Funding, Letter of Agreement

- Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- 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.
- Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- 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 aGHL

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

#### **4. Privileges**

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](http://mcgill.ca/students/srr), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](http://mcgill.ca/secretariat/policies-and-regulations).

ii. Postdocs hav

- 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.*

### **9.8.3 Vacation Policy for Postdocs**

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

### **9.8.4 Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

### **9.8.5 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 T

- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage.

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## 9.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 9.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: RG/F2 8.1 Tsection 1.7](#)

## 9.12.1 Law

### 9.12.1.1 Location

Faculty of Law  
 Graduate Programs in Law  
 New Chancellor Day Hall  
 3644 Peel Street, Room 406  
 Montreal QC H3A 1W9  
 Canada  
 Telephone: 514-398-6635  
 Email: [grad.law@mcgill.ca](mailto:grad.law@mcgill.ca)  
 Website: [mcgill.ca/law/grad-studies](http://mcgill.ca/law/grad-studies)

*Associate Dean (Graduate Studies)* – Darren Rosenblum

### 9.12.1.2 About Law

Graduate students in Law at McGill have one thing in common: a sharp curiosity to explore ideas and projects in an environment that is uniquely comparative and pluralist.

The extensive and impressive history of graduate teaching and supervision at McGill, combined with the innovations in legal pedagogy for which the Faculty of Law is celebrated, create an 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.

#### Master of Laws (LL.M.) Degrees

##### *section 9.12.1.5: Master of Laws (LL.M.) Law (Thesis) (45 credits)*

The LL.M. thesis program is geared toward students who wish to continue their legal education primarily through research, as the program concentrates on the production of a 30,000-word thesis, as well as some graduate-level coursework.

##### *section 9.12.1.10: Master of Laws (LL.M.) Law (Thesis): Air and Space Law (45 credits)*

The LL.M. thesis program in Air and Space Law is geared toward students who wish to focus on original scholarly research related to the Air and Space Law domain. This program involves a combination of coursework and research credits (a thesis of 30,000 words). The thesis must show familiarity with previous work in the field and demonstrate the student's capacity for independent analysis, writing skills, and organization.

##### *section 9.12.1.6: Master of Laws (LL.M.) Law (Thesis): Bioethics (45 credits)*

The master's specialization in Bioethics is an interdisciplinary program that emphasizes both the conceptual and practical aspects of Bioethics. Students pursuing the LL.M. in Bioethics are bound by the requirements of the Faculty of Law's LL.M. program. This program is offered as a thesis option only.

##### *section 9.12.1.12: Master of Laws (LL.M.) Law (Thesis): Comparative Law (45 credits)*

In the field of Comparative Law, students are encouraged to think about the nature and value of comparative scholarship both through coursework (particularly the Legal Traditions course, which is required for all students in Comparative Law) and through their master's thesis. As such, students are encouraged and given opportunities to explore how juridical analyses are enriched through openness to learning from diversity in research methods, theoretical frameworks, legal traditions and doctrines, languages, and disciplinary perspectives. The LL.M. thesis program in Comparative Law requires several graduate-level courses and the production of a 30,000-word thesis.



**Note:** Availability of this program is subject to relevant courses being offered in a given year.

*section 9.12.1.7: Master of Laws (LL.M.) Law (Thesis): Environment (45 credits)*

**\*\*This program is not offered in the 2023-2024 academic year.\*\***

The graduate option in Environment is a cross-disciplinary option offered in conjunction with the Bieler School of Environment within the LL.M. (thesis or non-thesis), providing students with an appreciation for the role of science, politics, and ethics in informed decision-making in the environment sector. The thesis option requires the production of a 30,000-word thesis.



**Note:** Availability of this program is subject to relevant courses being offered in a given year.

*section 9.12.1.8: Master of Laws (LL.M.) Law (Non-Thesis) (45 credits)*

The LL.M. non-thesis program is geared toward students who wish to continue their legal education largely through graduate-level coursework. The program requires two terms of coursework as well as a 15,000-word research project.

*section 9.12.1.11: Master of Laws (LL.M.) Law (Non-Thesis): Air and Space Law (45 credits)*

The LL.M. non-thesis program in Air and Space Law is geared toward students who wish to gain a wide exposure to a range of taught courses within, and related to, the Air and Space Law domain. The non-thesis option requires a 15,000-word research project, with the remaining credits earned in courses.

*section 9.12.1.13: Master of Laws (LL.M.) Law (Non-Thesis): Comparative Law (45 credits)*

In the field of Comparative Law, students are encouraged to think about the nature and value of comparative scholarship both through coursework (particularly the Legal Traditions course, which is required for all students in Comparative Law) and through their master's research project. As such, students are encouraged and given opportunity

## Graduate Certificates

### *section 9.12.1.17: Graduate Certificate (Gr. Cert.) Air and Space Law (15 credits)*

The Graduate Certificate in Air and Space Law is a course-based program designed for students with a strong professional orientation. This certificate is particularly appropriate for jurists and other professionals who wish to pursue graduate-level legal studies in aviation, air and space law, government regulations, conventions, and treaties dealing with these areas.

### *section 9.12.1.18: Graduate Certificate (Gr. Cert.) Comparative Law (15 credits)*

The Graduate Certificate in Comparative Law provides advanced training to candidates who do not wish to undertake the master's degree. The Graduate Certificate is particularly appropriate for judges, law professors, and legal practitioners from countries undergoing substantial legal reform (such as post-Communist or developing countries) who wish to pursue advanced studies in areas such as civil, commercial, or human rights law.

## 9.12.1.3 Law Admission Requirements and Application Procedures

### 9.12.1.3.1 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](#).

#### 9.12.1.3.1.1 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).

#### 9.12.1.3.1.2 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 out of 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.

#### 9.12.1.3.1.3 LL.M. Interdisciplinary Options

**Note:** The availability of these options is subject to relev

#### 9.12.1.32.1 *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)
-



**Courses offered within this concentration may include:**

Social Diversity and Law (CMPL 511)  
 Talmudic Law (CMPL 513)  
 Theoretical Approaches to Law (CMPL 641)

**9.12.1.4.2 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:**

Airline Business and Law (ASPL 614)  
 Comparative Air Law (ASPL 632)  
 Comparative Legal Institutions (CMPL 517)  
 Copyright and Trademark Theory (BUS2 500)  
 Corporate Finance (BUS2 505)  
 European Union Law 1 (CMPL 536)  
 European Union Law 2 (CMPL 537)  
 Government Control of Business (CMPL 574)  
 Government Regulation of Space Activities (ASPL 639)  
 Intellectual & Industrial Property (BUS2 502)  
 International Business Law (CMPL 604)  
 International Carriage of Goods by Sea (CMPL 515)  
 International Development Law (CMPL 516)  
 International Environmental Law and Politics (CMPL 546)  
 International Maritime Conventions (CMPL 553)  
 International Taxation (CMPL 539)  
 Law and Practice of International Trade (CMPL 543)  
 Law of Space Applications (ASPL 638)  
 Patent Theory and Policy (BUS2 501)  
 Private International Air Law (ASPL 636)  
 Public International Air Law (ASPL 633)  
 Resolution of International Disputes (CMPL 533)  
 Securities Regulation (BUS2 504)

**9.12.1.4.3 Human Rights and Cultural Diversity**

Building on the Faculty's strength in public law, this concentration promotes the comparative study of human rights law. It provides students with opportunities to reflect critically on the emergence and institutionalization of human rights norms in both domestic and international settings and to explore complexities arising from cultural diversity.

**Courses offered within this concentration may include:**

Aboriginal Peoples and the Law (CMPL 500)  
 Advanced Criminal Law (PUB2 501)  
 Children and the Law (PRV2 500)  
 Civil Liberties (CMPL 573)  
 Discrimination and the Law (CMPL 575)  
 Feminist Legal Theory (CMPL 504)  
 Human Rights & Cultural Diversity (CMPL 603)

**Courses offered within this concentration may include:**

International Criminal Law (PUB2 502)

International Humanitarian Law (CMPL 565)

International Law of Human Rights (CMPL 571)

Law and Psychiatry (PUB2 500)

Social Diversity and Law (CMPL 511)

**9.12.1.4.4 Regulation, Technology and Society**

This concentration focuses on the comparative and interdisciplinary study of legal regulation in areas of rapid technological change. It encourages critical reflection on notions of the public interest and its protection in areas as diverse as the biomedical sciences, the environment, the growth of computer networks,

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).

CMPL 612	(3)	Master's Thesis 1
CMPL 613	(3)	Master's Thesis 2
CMPL 614	(3)	Master's Thesis 3
CMPL 615	(6)	Master's Thesis 4
CMPL 616	(12)	Master's Thesis 5
CMPL 617	(3)	Master's Thesis 6

### Required Courses (9 credits)

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

### 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:

CMPL 618	(2)	Master's Thesis 7
CMPL 619	(1)	Master's Thesis 8

#### 9.12.1.6 Master of Laws (LL.M.) Law (Thesis): Bioethics (45 credits)

The 45-credit LL.M. program, thesis option, in Bioethics is a research-intensive, interdisciplinary, graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate-level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

Students following the Bioethics option come from the Faculties of Law, Medicine, Religious Studies, or the Department of Philosophy. 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).

M.Sc.

**Complementary Courses (9 credits)**

3-6 credits chosen from:

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 614	(3)	Mobilizing Research for Sustainability

0-3 credits chosen from:

ENVR 585	(3)	Readings in Environment 2
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

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.

**9.12.1.8 Master of Laws (LL.M.) Law (Non-Thesis) (45 credits)**

The 45-credit LL.M. non-thesis option complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and offers an opportunity to write a supervised, substantial, and publishable paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the Summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

**Research Project (15 credits)**

The supervised research project is a 15,000-word paper, assessed by the supervisor on a pass-fail basis, and is typically completed in the Summer.

CMPL 655	(15)	Research Project 1
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**Required Courses (9 credits)**

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

**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:

CMPL 656	(2)	Research Project 2
CMPL 657	(1)	Research Project 3

**9.12.1.9 Master of Laws (LL.M.) Law (Non-Thesis): Environment (45 credits)**

\*\*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.

CMPL 655	(15)	Research Project 1
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### **Required Courses (9 credits)**

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

### **Complementary Courses (21 credits)**

12-15 credits chosen from:

ASPL 690	(3)	Master's Thesis 1
ASPL 691	(3)	Master's Thesis 2
ASPL 692	(6)	Master's Thesis 3
ASPL 693	(12)	Master's Thesis 4

**Required Courses (12 credits)**

ASPL 633	(3)	Public International Air Law
ASPL 636	(3)	Private International Air Law
ASPL 637	(3)	Space Law: General Principles
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

**Complementary Courses (9 credits)**

3 credits from the following:

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law

6 credits at the 500 level or higher, chosen from among Faculty offerings (including ASPL offerings).

**9.12.1.11 Master of Laws (LL.M.) Law (Non-Thesis): Air and Space Law (45 credits)**

The 45-credit LL.M. program, non-thesis option, in Air and Space Law complements previous legal education through specialized graduate-level coursework and in-depth research. It enhances expertise in selected areas of legal scholarship and includes a supervised substantial paper in an area of interest.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term is devoted to the Research Project, usually taken in the summer of the first year. If the research project is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

**Research Project (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.

ASPL 655	(15)	Research Project 1
----------	------	--------------------

**Required Courses (12 credits)**

ASPL 633	(3)	Public International Air Law
ASPL 636	(3)	Private International Air Law
ASPL 637	(3)	Space Law: General Principles
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

**Complementary Courses (18 credits)**

3 credits from the following:

CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law

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 the Graduate and Postdoctoral Studies (GPS) student services team, students may complete one or both of the following research project courses by completing one or both of:

ASPL 656	(2)	Research Project 2
ASPL 657	(1)	Research Project 3

### 9.12.1.12 Master of Laws (LL.M.) Law (Thesis): Comparative Law (45 credits)

\*\* 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).

CMPL 612	(3)	Master's Thesis 1
CMPL 613	(3)	Master's Thesis 2
CMPL 614	(3)	Master's Thesis 3
CMPL 615	(6)	Master's Thesis 4
CMPL 616	(12)	Master's Thesis 5
CMPL 617	(3)	Master's Thesis 6

### Required Courses (12 credits)

CMPL 600	(3)	Legal Traditions
CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

### 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.

**Ad**



**9.12.1.13 Master of Laws (LL.M.) Law (Non-Thesis): Comparative Law (45 credits)**

\*\* 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.

CMPL 655	(15)	Research Project 1
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**Required Courses (12 credits)**

CMPL 600	(3)	Legal Traditions
CMPL 610	(1.5)	Legal Research Methodology 1
CMPL 611	(1.5)	Legal Research Methodology 2
CMPL 641	(3)	Theoretical Approaches to Law
LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

**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:

CMPL 656	(2)	Research Project 2
CMPL 657	(1)	Research Project 3

**9.12.1.14 Doctor of Civil Law (D.C.L.) Law**

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.

LAWG 701	(0)	Comprehensive Exam - Law
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**Required Courses (5 Credits)**

CMPL 641	(3)	Theoretical Approaches to Law
LAWG 702	(2)	Legal Research Methodology for DCL
LAWG 703	(0)	Literature Review, Analysis and Proposal

LAWG 704	(0)	DCL Research Seminar 1
LAWG 705	(0)	DCL Research Seminar 2

**Complementary Course (0-3 Credits)**

Some students are encouraged to take the following:

LAWG 601	(1.5)	Communication 1
LAWG 602	(1.5)	Communication 2

**9.12.1.15 Doctor of Civil Law (D.C.L.) Air and Space Law**

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

LAWG 702

(2)

Legal Research Methodology for DCL  
Literature Review

*Josephine Nalbantoglu, Ph.D.*  
*Associate Provost (Gr*

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## 10.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > *Graduate* > [section 1.4: Graduate Admissions and Application Procedures](#) 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.

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## 10.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > *Graduate* > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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.

iii. Postdocs require a *Letter of Agreement for P*

- 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.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

## **Vacation P**

- The individual must provide copies of official transcripts/diplomas.
- The individual must have the approval of a McGill professor to supervise the research and of the Unit.
- The individual must have adequate proficiency



## 10.12 Desautels Faculty of Management

### 10.12.1 Location

Samuel Bronfman Building  
1001 Sherbrooke Street West  
Montreal QC H3A 1G5  
Canada  
Telephone: 514-398-4066  
Website: [mcgill.ca/desautels](http://mcgill.ca/desautels)

### 10.12.2 About Desautels Faculty of Management

McGill University offers a variety of programs that provide graduate-level education in management. All programs have been tailored to meet the special needs and demands of different groups of people. Before embarking on a graduate management education, students should be aware of the different and unique features of each program, and select the one that best suits their aspirations and abilities.

#### Graduate Programs in Management

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

*section 10.13.3: Master of Business Administration (M.B.A.) Management (Non-Thesis) (54 credits)*

*section 10.13.4: Master of Business Administration (M.B.A.) Management (Non-Thesis): General Management (48 credits)*

*section 10.13.5: Master of Business Administration Joint (M.B.A.) Management (Non-Thesis) and (B.C.L./J.D) Law (132 credits)*

##### Master of Business Administration (M.B.A.)/Japan

**\*\*M.B.A. Japan program is no longer accepting new students.\*\***

*section 10.13.6.4: Master of Business Administration (M.B.A.) M.B.A./Japan (Non-Thesis) (51 credits)*

*section 10.13.6.5: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Finance (57 credits)*

*section 10.13.6.6: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): General Management (48 credits)*

*section 10.13.6.7: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Global Strategy and Leadership (57 credits)*

*section 10.13.6.8: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Marketing (57 credits)*

*section 10.13.6.9: Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Technology and Innovation Management (57 credits)*

##### Executive Master of Business Administration (E.M.B.A.)

*section 10.13.7.4: Executive Master of Business Administration (E.M.B.A.) Joint Executive M.B.A. (Non-Thesis) (45 credits)*

##### Master of Management (M.M.)

*section 10.14.3: Master of Management (M.M.) Analytics (Non-Thesis) (45 credits)*

*section 10.14.4: Master of Management (M.M.) Finance (Non-Thesis) (45 credits)*

*section 10.14.5: Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)*

*section 10.14.6: Master of Management (M.M.) IMHL (Non-Thesis) (45 credits)*

*section 10.14.7: Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)*

*section 10.14.8: Master of Management (M.M.) Retailing (Non-Thesis) (45 credits)*

##### Ph.D.

*section 10.15.4: Doctor of Philosophy (Ph.D.) Management*

*section 10.15.5: Doctor of Philosophy (Ph.D.) Management: Environment* **\*\* This program is currently not offered. \*\***

##### Graduate Certificates

*section 10.17.2: Graduate Certificate (Gr. Cert.) Healthcare Management (15 credits)*

*section 10.16.4: Graduate Certificate (Gr. Cert.) Post MBA (15 credits)* **\*\*This program is no longer accepting new students.\*\***

## Graduate Certificates

*section 10.16.5: Graduate Certificate (Gr. Cert.) Post MBA Japan (15 credits)*

MGCR 640	(1.5)	Accounting and Financial Reporting
MGCR 642	(1.5)	Financial Reporting
	(4.5)	International Study Trip

MGCR 618	(1.5)	Leadership and Professional Skills
MGCR 620	(1.5)	Information Systems
MGCR 621	(1.5)	International Environment
MGCR 622	(1.5)	Organizational Strategy
MGCR 628	(1.5)	Integrative Course
MGCR 638	(1.5)	Marketing Management
MGCR 639	(1.5)	Managing Organizational Behaviour
		Accounting and Financial Reporting

PRV2 270	(3)	Law of Persons
PRV4 548	(3)	Administration Property of Another and Trusts

Common Law Immersion Courses (3 credits)

PRV3 200	(3)	Advanced Common Law Obligations
PRV3 534	(3)	Remedies
PRV4 500	(3)	Restitution
PRV4 549	(3)	Equity and Trusts

LAWG 523	(3)	Tax Practice Seminar
LEEL 369	(3)	Labour Law
LEEL 570	(3)	Employment Law
LEEL 582	(3)	Law and Poverty
PRV4 545	(3)	Land Use Planning
PRV5 483	(3)	Consumer Law
PUB2 400	(3)	The Administrative Process
PUB2 401	(3)	Judicial Review of Administrative Action
PUB2 500	(3)	Law and Psychiatry
PUB2 515	(3)	Tax Policy
PUB2 551	(3)	Immigration and Refugee Law

### **Elective Courses (34 credits)**

Students must take 34 credits of 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: a) writing an essay in a course in which the essay constitutes no less than 75% of the final grade; b) writing a term essay under independent supervision, for credit, within the Faculty of Law; c) 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.

## **10 5.287 The 510 Application Requirements and Application Procedures**

**10.13.6.5 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Finance (57 credits)**

\*\*This program is no longer accepting new students."

The McGill MB

**10.13.6.6 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): General Management (48 credits)**

\*\*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)**

BUSA 695	(1.5)	Real-Time Decisions
MGCR 613	(1.5)	Managerial Economics
MGCR 614	(1.5)	<del>Management Statistics</del>
MGCR 617	(1.5)	Operations Management
MGCR 618	(1.5)	<del>Leadership and Professional Skills</del>
MGCR 620	(1.5)	Management Systems
MGCR 621	(1.5)	International Environment

MGCR 622 The Metplace. (1.5) 176.846 T4 0252 700 The SMBA (ach.) Tjoe scross-plines anary 0.027 Tc69 Tc0 G0 1 68.52 668.0243698.0anagtiddncls.\*sncj1se



**Required Concentration Courses (6 credits)**

Students choosing the Global Strategy and Leadership concentration must complete these required courses:

MGPO 683	(3)	International Business Policy
ORGB 685	(3)	Cross Cultural Management

**Complementary Courses (30 credits)**

9 credits selected from the following courses toward the concentration:

BUSA 640	(3)	Launching New Ventures
BUSA 660	(3)	CEO Insights
BUSA 690	(3)	Advanced Topics in Management 1
INDR 633	(3)	Creating Wealth and Prosperity
MGPO 615	(3)	Consulting for Change
MGPO 630	(3)	Managing Strategy and Innovation
MGPO 640	(3)	Strategies for Sustainable Development
MGPO 645	(3)	Strategy in Context
MGPO 651	(3)	Strategic Management: Developing Countries
MGPO 669	(3)	Managing Globalization
ORGB 633	(3)	Managerial Negotiations
ORGB 640	(3)	The Art of Leadership

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

**10.13.6.8 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): Marketing (57 credits)**

\*\*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:

MGCR 629	(1)	Healthcare Leadership
MGCR 650	(2)	Business Tools
MGCR 651	(4)	Managing Resources
MGCR 652	(4)	Value Creation
MGCR 653	(4)	Markets and Globalization

MGCR 661 (6) International Study Experience

### Required Concentration Courses (6 credits)

Students choosing the Marketing concentration must complete these required courses:

MRKT 657 (3) Customer Insights  
MRKT 658 (3) Marketing Intelligence

### Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

MRKT 645 (3) Winning at Brands  
MRKT 652 (3) Competitive Marketing Strategy  
MRKT 655 (3) Marketing Planning  
MRKT 690 (3) Advanced Topics in Marketing 1

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

BUSA 650 (6) Internship  
BUSA 651 (6) Practicum

### 10.13.6.9 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis):Technology and Innovation Management (57 credits)

\*\*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 7.product de

**Required Concentration Courses (6 credits)**

Students choosing the Technology and Innovation Management concentration must complete these required courses:

INSY 606	(3)	Technology Management
MGSC 616	(3)	Technology in Action

**Complementary Courses (30 credits)**

9 credits selected from the following courses toward the concentration:

INSY 607	(3)	Technology Consulting
INSY 608	(3)	Winning with IT
INSY 609	(3)	Technology Project Management
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 605	(3)	Total Quality Management
MGSC 615	(3)	Procurement and Distribution
MGSC 631	(3)	Analysis: Production Operations
		Managing Organization5 5

## McGill University courses (33 credits)

BUSA 642	(4)	Reflective Dimension Manager Role
BUSA 643	(4)	Collaborative Dimension Manager
BUSA 644	(4)	Analytic Dimension of Manager Role
BUSA 645	(4)	Worldly Dimension of Manager Role
BUSA 685	(5)	Managing Change
BUSA 689	(12)	Integrative Project

## HEC Montréal courses (12 credits)

MHEC 600	(4)	Création de valeur
MHEC 601	(4)	Excellence opérationnelle
MHEC 602	(4)	Outils et pratiques de gestion

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## 10.14 Master of Management Programs

### About Master of Management Programs

#### *section 10.14.3: Master of Management (M.M.) Analytics (Non-Thesis) (45 credits)*

The M.M. Analytics is designed to teach the fundamentals of data and decision analytics, team management, and leadership. 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).

#### *section 10.14.4: Master of Management (M.M.) Finance (Non-Thesis) (45 credits)*

The M.M. Finance degree is a twelve-month specialized program in finance. The M.M.F. program prepares students for a career in finance through a comprehensive curriculum that integrates advanced financial concepts and quantitative methods with real-world business practices. For more information, visit [mcgill.ca/desautels/programs/mmfi](http://mcgill.ca/desautels/programs/mmfi).

#### *section 10.14.5: Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)*

Alternatively, a 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 and a summer trip). 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 would have two degrees: an M.M.M. from McGill and an M.B.A from Zhejiang.

The program is instructed in English. It is targeted at 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.

#### *section 10.14.6: Master of Management (M.M.) IMHL (Non-Thesis) (45 credits)*

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 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).

#### *section 10.14.7: Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)*

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.

*section 10.14.7: Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)*

For more information, visit our website at [mcgill.ca/desautels/programs/impm](http://mcgill.ca/desautels/programs/impm).

MGSC 662

(3)

Decision Analytics

Managing Data Analytics T

or by 2) independently working on a research project. The program will contain an investment and corporate finance focus and it will have an advisory board of executives from financial and non-financial corporations.

#### Required Courses (21 credits)

ACCT 604	(3)	Financial Statements 1
FINE 674	(3)	Fintech
FINE 678	(3)	Financial Economics
FINE 679	(3)	Corporate Finance Theory
FINE 680	(3)	Investments
FINE 681	(3)	International Capital Markets
FINE 682	(3)	Derivatives

#### Complementary Courses (24 credits)

12 credits from:

ACCT 605	(3)	Financial Statements 2
FINE 683	(3)	Advanced Corporate Finance
FINE 684	(3)	Fixed Income Analysis
FINE 685	(3)	Market Risk Management
FINE 686	(3)	Global Corporate Finance
FINE 687	(3)	Global Investments
FINE 688	(3)	Mergers and Acquisitions

or any other relevant 600-level courses offered by Desautels Faculty of Management with permission of the Program Adviser.

12 credits from:

FINE 670	(3)	Fundamentals of Financial Research
FINE 671*	(9)	Applied Finance Project
FINE 671D1*	(4.5)	Applied Finance Project
FINE 671D2*	(4.5)	Applied Finance Project
FINE 671N1*	(4.5)	Applied Finance Project
FINE 671N2*	(4.5)	Applied Finance Project

\*Note: Choose either FINE 671 or FINE 671D1/D2 or FINE 671N1/N2.

Or

FINE 689	(12)	Integrative Finance Project
FINE 689N1	(6)	Integrative Finance Project
FINE 689N2	(6)	Integrative Finance Project

#### 10.14.5 Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)

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 (35 credits)**

MGCR 611	(2)	Financial Accounting
MGCR 612	(2)	Organizational Behaviour
MGCR 616	(2)	Marketing
MGCR 641	(2)	Elements of Modern Finance 1
MGSC 602	(3)	Strategic Management of Operations
MGSC 603	(3)	Logistics Management
MGSC 608	(3)	Data Decisions and Models
MGSC 609	(1)	Operations Industrial Seminar
MGSC 610	(2)	Operations Case Studies
MGSC 611	(9)	Operations Industrial Stage
MGSC 614	(3)	Computer Integrated Manufacturing
MGSC 631	(3)	Analysis: Production Operations

**Complementary Courses (21 credits)**

9-12 credits of General Business and Management courses from the following:

A	(3)	Management Accounting: Planning and Control
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RETL 643	(3)	Fintech and Financial Services
RETL 645	(3)	Food Retail
RETL 651	(6)	Retail Practicum
RETL 652	(3)	Independent Study in Retail
RETL 661	(3)	Advanced Topics in Retail Management 1
RETL 662	(3)	Advanced Topics in Retail Management 2
RETL 663	(3)	Advanced Topics in Retail Management 3

0-12 credits from:

up to 12 credits of course from 600-level courses offered by Desautels Faculty of Management. Course choice must be approved by the Program Administrator/  
Program

**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.

#### **10.15.4 Doctor of Philosophy (Ph.D.) Management**

##### **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.

ENVR 622	(3)	Sustainable Landscapes
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

Or another course at the 500-level or higher recommended by the advisory committee and approved by the Environment Option Committee.

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## **10.16 Post-M.B.A. Graduate Certificates Admission Requirements and Application Procedures**

### **About the Post-M.B.A. Graduate Certificate**

**\*\*This program is no longer accepting new students.\*\***

The graduate certificate meets the needs of two groups of professional managers:

- 1.** managers who graduated from an M.B.A. program several years ago and would like to tak

**10.16.4 Graduate Certificate (Gr. Cert.) Post MBA (15 credits)**

This program is no longer accepting new students.

**Required Courses**

15 credits of M.B.A. courses.

**10.16.5 Graduate Certificate (Gr. Cert.) Post MBA Japan (15 credits)**

\*\*This program is no longer accepting new students.\*\*

**Required Courses**

15 credits of M.B.A./Japan courses.

**10.17 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* and the *Desautels Faculty of Management*. 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*.

**10.17.1 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](https://mcgill.ca/desautels/programs/gchm/admissions).

**10.17.1.1 Required Courses**

There are a total of 15 credits required for this program.

MGCR 629	(1)	Healthcare Leadership
ACCT 645	(2)	Financial Management in Healthcare
MGSC 641D1 & D2	(2)	Operations Management in Health Services
ORGB 644D1 & D2	(2)	Managerial Negotiations in Healthcare
MGSC 642	(2)	Quality Management in Healthcare
ORGB 643	(2)	Leading and Managing People in Healthcare
BUSA 647D1 & D2	(4)	Healthcare Management Practicum

**10.17.2 Graduate Certificate (Gr. Cert.) Healthcare Management (15 credits)**

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/undergraduate/gi\\_online\\_\(distance\)\\_programs](https://www.mcgill.ca/study/university_regulations_and_resources/undergraduate/gi_online_(distance)_programs)

**Required Courses (15 credits)**

ACCT 645D1	(1)	Financial Management in Healthcare
ACCT 645D2	(1)	Financial Management in Healthcare
BUSA 647D1	(2)	Healthcare Management Practicum
BUSA 647D2	(2)	Healthcare Management Practicum
MGCR 629	(1)	Healthcare Leadership
MGSC 641D1	(1)	Operations Management in Health Services
MGSC 641D2	(1)	Operations Management in Health Services
MGSC 642D1	(1)	Quality Management in Healthcare
MGSC 642D2	(1)	Quality Management in Healthcare
ORGB 643D1	(1)	Leading and Managing People in Healthcare
ORGB 643D2	(1)	Leading and Managing People in Healthcare
ORGB 644D1	(1)	Managerial Negotiations in Healthcare
ORGB 644D2	(1)	Managerial Negotiations in Healthcare

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**10.18 Graduate Certificate in Professional Accounting (GCPA) Admission Requirements and Application Procedures****About the Graduate Certificate in Professional Accounting (GCPA)***section 10.18.5: Graduate Certificate (Gr. Cert.) Professional Accounting (24 credits)*

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 dev

## FINE 342 Corporate Finance

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 : *Diploma (Dip.) Accounting (30 credits)* at the *School of Continuing Studies* and complete additional courses as necessary to satisfy the following 14 prerequisite courses, with minimum grades of B-:

CCFC 511 Financial Accounting 1  
CCFC 512 Financial Accounting 2  
CCFC 513 Financial Accounting 3  
CCMA 511 Managerial Accounting 1  
CCMA 522 Managerial Accounting 2  
CCMA 523 Managerial Accounting 3  
CCAU 511 Auditing 1  
CCTX 511 Taxation 1  
CCTX 532 Taxation 2  
CFIN 512 Corporate Finance  
CCLW 511 Law 1  
CFIN 522 Applied Topics: Corporate Finance  
CMIS 541 Information Systems for Managers  
CPL2 552 Strategic Management

For more information, you may contact the School of Continuing Studies directly:

688 Sherbrooke Street West, 11<sup>th</sup> floor  
Telephone: 514-398-6200  
Email: [info.conted@mcgill.ca](mailto:info.conted@mcgill.ca)  
Website: [mcgill.ca/continuingstudies](http://mcgill.ca/continuingstudies)

## 10.18.2 Application Procedures

Online applications for the GCPA program can be submitted through McGill's [online application system](#). For details please consult [Application steps](#).

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) and the [GCPA program](#) website for details about submitting your application.

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.

### 10.18.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- The p Tmtional ubmoamakce of e viathrough McGill's



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  
 Canada

Telephone: 514-288-3256 or 1-800-363-4688 (toll free)

Email: [info@cpaquebec.ca](mailto:info@cpaquebec.ca)

Web: [cpaquebec.ca](http://cpaquebec.ca)

### 10.18.5 Graduate Certificate (Gr. Cert.) Professional Accounting (24 credits)

The Graduate Certificate in Professional Accounting is a recognized professional education program (PEP) des Ordre des Comptables Professionnels Agréés du Québec (OCPAQ). The program prepares students for a career as a professional accountant and to write the national CPA Common Final Exams. It allows students to develop professional skills that will be recognized nationally and internationally. Students are exposed to the latest concepts and practice related issues and have the choice of studying in the areas of public accounting (assurance), performance measurement, taxation, or financial business analysis.

#### Prerequisite Courses for Canadian B.Com. Students (33 credits)

ACC	<b>B</b>	Intermediate Financial Accounting 1
ACC (3)		Intermediate Financial Accounting 2
ACC (3)		Management Accounting
ACC (3)		Cost Accounting
ACC (3)		Principles of Taxation
ACC (3)		Advanced Financial Accounting
ACC (3)		Management Control
ACC (3)		Principles of Auditing
ACC (3)		Business Taxation 2
BUS (3)		Business Law 1

CMIS 541	(3)	Information Systems for Managers
CPL2 552	(3)	Strategic Management

**Required Courses (16 credits)**

ACCT 653	(3)	Issues in Professional Accounting 1
ACCT 654	(3)	Issues in Professional Accounting 2
ACCT 663	(3)	Strategic Aspects of Accounting 1
ACCT 664	(3)	Strategic Aspects of Accounting 2
ACCT 695	(4)	Integrative Analysis

**Complementary Courses (8 credits)**

8 credits from the following:

ACCT 683	(4)	Practice of Taxation
ACCT 687	(4)	Assurance Services
ACCT 689	(4)	Financial Business Analysis
ACCT 699	(0)	Exam Preparation Seminar

**10.19 Desautels Faculty of Management Academic Staff****Dean**

Yolande Chan

**Vice-Deans**

Anthony C. Masi – *Vice-Dean, Faculty*

Genevieve Bassellier - *Vice-Dean, Programs*

**Executive Committee**

Genevieve Bassellier; Anthony C. Masi; Emmanuelle Vaast; Benjamin Croitoru; Brian Rubineau; Saibal Ray; Lisa Cohen; Louis Gialloredo; Morty Yalovsky; David Saunders; Sabine Dhir; Mark Michaud; Bonnie Borenstein; Marie-José Beaudin; Greg Houlahan; Rita McAdam

**Emeritus Professors**

N.J. Adler; R. Brenner; W. Crowston; D.H. Drury; R. Hebbon; R.N. Kanungo; M.D. Lee; S. Li; R.J. Loulou; G.A. Whitmore

**Professors**

M. Cohen; R. David; L. Dubé; V.R. Errunza; S. Faraj; M. Gumus; E. Haruvy; L. Lapointe; S. Mantere; A.C. Masi; A. Pinsonneault; S. Ray; E. Vaast

**Associate Professors**

D. Andrei; A. Animesh; P. Augustin; G. Bassellier; S. Betermier; F. Carrieri; S. Chai; L. Cohen; B. Croitoru; A. de Motta; Y. Ding; J. Ericsson; H. Etemad; J.-P. Ferguson; R. Galperin; A. Ghosh; R. Goyenko; D.H. Han; K. Han; T. Havakhor; P. Hewlin; M-S. Jo; W. Khern-am-nuai; A. Kim; Y. Ma; A. Mukherjee; J. Nasiry; R. Nason; E. Obukhova; A. Ody-Brasier; P. Perez-Aleman; J-N. Reynt; B. Rubineau; E. Sarigöllü; S. Sarkissian; D. Schumacher; J. Serpa; H. Tan; D. Vakratsas; M. Yalovsky; J. Zhang

**Assistant Professors**

K. An; P. Beaumont; D. Dakhllallah; D. Demetry; B. Doré; S. Gopalakrishnan; E. Han; R. Hariss; M. Hollister; P. Joshi; D. Lee; S. Oh; T.J. Rivera; Y. Roh; G. Roussellet; H. So; K. Tinn; G. Weitzner; B. Wenzel; B. Yavuz; C. Yoo; C. Zhao

**Full-Time Ranked Contract Academic Staff (CAS) Members**

A. Abrams; A.

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## 11.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 11.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 11.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) for information on:flu Tm(graduate

ii. Some McGill postdocs hav

- 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.

v. 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.

vi. 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/students/srr](http://mcgill.ca/students/srr), and the Graduate and Postdoctoral Studies *University Regulations and Resources*;
- to submit a complete file for registration 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.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

### **11.8.3 Vacation Policy for Postdocs**

Please refer to the [section 1.2.9: VV](#)



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### 11.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human Participants
- Policy on the Study and Care of Animals
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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### 11.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved



- radiation ph

**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 ho

**Associate Member**

D. Louis Collins

**Affiliate Members**

S. Darvasi, R. Richardson

MDPH 614	(3)	Physics of Diagnostic Radiology
MDPH 615	(2)	Physics of Nuclear Medicine
MDPH 618	(3)	Anatomy and Physiology for Medical Physics
	(3)	Seminar: Medical Ethics



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 (Introduction to Organic Chemistry), 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.

##### *11.12.14.32 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures. Further information is also available on the [Experimental Medicine website](#).

#### 11.12.14.32.1 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))

##### *11.12.14.33 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 Experimental 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).

#### **11.12.14.4 Medicine, Experimental Faculty**

## Associate Members, McGill

B. Abdulkarim; H. Abenheim; M. Abrahamowicz; S. Ahmed; G. Altit; S. Bailey; M. Basik; M. Ben-Shoshan; M. Bertagnolli; C. Borchers; P. Brodt; D. Buckeridge; S. Burgos; F. Carnevale; I. Cestari; L. Chapuy; S. Chevalier; H. Clarke; T. Coderre; S. del Rincon; L. Diatchenko; T. Duchaine; D. Dufort; K. Eppert; M. Fabian; L. Ferri; P. Friesen; L. Garzia; V. Giguere; P. Goodyer; W. Gotlieb; C. Goudie; I. Gupta; A. Haidar; T. Hebert; M. Hunt; P

12 credits, four 3-credit BIOE or EXMD graduate courses (500, 600, or 700 level) chosen in consultation with the Supervisor.

**11.12.1.4.7 Master of Science (M.Sc.) Experimental Medicine (Thesis): Digital Health Innovation (45 credits)**

The M.Sc. in Experimental Medicine; Digital Health Innovation focuses on the basics of clinical epidemiology, medical artificial intelligence, clinical innov



ENVR 610	(3)	Foundations of Environmental Policy
ENVR 614	(3)	Mobilizing Research for Sustainability

0-3 credits from:

ENVR 585	(3)	Readings in Environment 2
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

9 credits of courses 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\*.

\* Students must get approval of GPD for courses at the 500 level or higher from other Allied Health Sciences.

#### **11.12.14.9 Doctor of Philosophy (Ph.D.) Experimental Medicine**

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

### **Complementary Courses (18 or 24 credits)**

3-6 credits from:

ENVR 610	(3)	Foundations of Environmental Policy
ENVR 614	(3)	Mobilizing Research for Sustainability

0-3 credits from:

ENVR 585	(3)	Readings in Environment 2
ENVR 630	(3)	Civilization and Environment
ENVR 680	(3)	Topics in Environment 4

or 3 credits at the 500 level or higher recommended by the Advisory Committee and approved by the Environment Option Committee.

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.

Or

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 and who have been either admitted directly or fast-tracked to the Ph.D.

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\*.

\* Students must get approval from the GPD for courses at the 500 level or higher from other allied health sciences.

#### **11.1214.11 Graduate Certificate (Gr. Cert.) Regenerative Medicine (15 credits)**

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)**

FMED 525	(3)	Foundations of Translational Science
HGEN 675	(3)	Stem Cell Biology
PHAR 508	(3)	Drug Discovery and Development 3

#### **Complementary Courses (6 credits)**

CHEE 512	(3)	Stem Cell Bioprocess Engineering
EXMD 501	(3)	Clinical Applications of Regenerative Medicine
EXMD 505	(3)	Directed Readings in Regenerative Medicine
HGEN 660	(3)	Genetics and Bioethics

#### **11.1214.12 Graduate Diploma (Gr. Dip.) Clinical Research (30 credits)**

The objectives of this program are to give students exposure to both theoretical and practical issues relevant to the conception and conduct of a clinical research study, 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)**

EXMD 617	(1)	Workshop in Clinical Trials 1
EXMD 618	(1)	Workshop in Clinical Trials 2
EXMD 619	(1)	Workshop in Clinical Trials 3
EXMD 620	(1)	Clinical Trials and Research 1
EXMD 625	(1)	Clinical Trials and Research 2

EXMD 626	(1)	Clinical Trials and Research 3
EXMD 627	(18)	Practicum in Clinical Research

**Complementary Courses (6 credits)**

### *section 11.12.1.5.7: Master of Science (M.Sc.) Family Medicine (Thesis): Medical Education (45 credits)*

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.

### *section 11.12.1.5.8: Doctor of Philosophy (Ph.D.) Family Medicine & Primary Care*

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.

## **11.12.1.5.3 Medicine, Family Admission Requirements and Application Procedures**

### *11.12.1.5.3.1 Admission Requirements*

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 is required out of a possible maximum CGPA of 4.0, or a GPA of 3.6 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.

### *11.12.1.5.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) 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 [0 1 RG/F2 8.1 Tf1 0 0 1 421.753 236.6g0 0 1 RGc464i](#).

**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:
  1. describe their background and the reasons why they are applying to the desired program;
  2. describe their research interests and with whom, among the list of potential supervisors, they would like to work;
  3. describe how they hope to impact family medicine practice; and
  4. 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.
- **Writing Sample (for Ph.D. and Bioethics option applicants only):** Applicants to our Ph.D. program must upload a writing sample to review, preferably a thesis or a published article. For Bioethics option applicants, please upload a sample of your writing skills from your undergraduate studies; it does not need to be a thesis or a publication.

#### 11.12.15321 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
- Writing sample (for Ph.D. and Bioethics option applicants only)

#### 11.12.1533 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 are only allowed to apply for the Fall semester. Candidates who are interested in our Ph.D. in Family Medicine and Primary Care program may 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.

#### 11.12.154 Medicine, Family Faculty

##### Chair

Marion Dove

**Adjunct Professors**

Antoine Boivin; Julie Bruneau; Yves Couturier; Catherine Hudon; Amalia Issa; Janusz Kaczorowski; Edeltraut Kroger; Susan Law; Marie-Thérèse Lussier; Emily Marshall; Vivian Ramsden; Christian Rochefort; Jon Salsberg; Marie Claude Tremblay

**11.12.1.5.5 Master of Science (M.Sc.) Family Medicine (Thesis) (45 credits)****Thesis Courses (24 credits)**

FMED 697	(12)	Master's Thesis Research 1
FMED 698	(12)	Master's Thesis Research 2

**Required Courses (13 credits)**

FMED 505	(3)	Epidemiology and Data Analysis in Primary Care 1
FMED 509	(3)	Epidemiology and Data Analysis in Primary Care 2
FMED 603	(1)	Foundations of Participatory Research
FMED 614	(2)	Foundations of Mixed Methods Research
FMED 616	(1)	Applied Literature Reviews
FMED 625	(3)	Qualitative Health Research

**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.

FMED 504D1	(.5)	Family Medicine Research Seminars
FMED 504D2	(.5)	Family Medicine Research Seminars
FMED 511	(1)	Introduction to Art in Healthcare: Making Art Accessible
FMED 525	(3)	Foundations of Translational Science
FMED 601	(3)	Advanced Topics in Family Medicine
FMED 604	(3)	Advanced Participatory Research in Health
FMED 605	(1)	AI and Analytical Decision-Making in Healthcare
FMED 606	(1)	Operational Issues in Survey Methods in Primary Care
FMED 607	(1)	Intro to Discourse Analysis & Interpretive Health Research
FMED 608	(1)	Advanced Mixed Methods Seminar in Health Research
FMED 610	(1)	Foundations of Family Medicine
FMED 611	(3)	Healthcare Systems, Policy and Performance
FMED 612	(1)	Evaluation Research and Implementation Science
FMED 615	(1)	Applied Knowledge Translation and Exchange in Health
FMED 618	(1)	Topics in Pharmacoeconomics, Drug Safety and Policy
FMED 619	(3)	Program Management in Global Health and Primary Health Care
FMED 621	(1)	Participatory Health Systems for Safe Birth
FMED 690	(3)	Advanced Ethnography: Context, Complexity and Coordination

**11.12.1.5.6 Master of Science (M.Sc.) Family Medicine (Thesis): Bioethics (45 credits)**

\*\* 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)**

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum
BIOE 690	(3)	M.Sc. Thesis Literature Survey
BIOE 691	(3)	M.Sc. Thesis Research Proposal
BIOE 692	(6)	M.Sc. Thesis Research Progress Report
BIOE 693	(12)	M.Sc. Thesis
FMED 603	(1)	Foundations of Participatory Research

**Complementary Course (3 credits)**

3 credits from the following:

FMED 505	(3)	Epidemiology and Data Analysis in Primary Care 1
FMED 625	(3)	Qualitative Health Research

**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 adviser or supervisor.

**Master of Science (M.Sc.) Family Medicine (Thesis):**

EDEM 644	(3)	Curriculum Development and Implementation
EDEM 673	(3)	Leadership Theory in Education
EDPE 635	(3)	Theories of Learning and Instruction
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 670	(3)	Educational Assessment and Evaluation

### 11.12.15.8 Doctor of Philosophy (Ph.D.) Family Medicine & Primary Care

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.

FMED 701	(0)	PhD Comprehensive Examination
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#### Required Courses (9 credits)

FMED 601	(3)	Advanced Topics in Family Medicine
FMED 604	(3)	Advanced Participatory Research in Health
FMED 702*	(1)	Advanced Doctoral Primary Care Research Seminars

\* 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 adviser or supervisor.

### 11.12.1.6 Oncology

#### 11.12.1.6.1 Location

Gerald Bronfman Department of Oncology  
5100 de Maisonneuve Blvd West, Suite 720  
Montreal QC H4A 3T2  
Website: [mcgill.ca/oncology/](http://mcgill.ca/oncology/)

#### 11.12.1.6.2 Grad. Dip. in Oncology

The Graduate Diploma in Oncology provides students the opportunity to gain exposure to the principles and practice of oncology as well as its research domains, while exploring in more detail one of four areas of focus:

- Population and Global Cancer Control
- Psychosocial Oncology/Palliative Care
- Clinical Cancer Research
- Cancer Care Services and Quality



### 11.121.63 Oncology Faculty

#### Chair

TBA

#### Professors

B. Abdulkarim, M. Alaoui-Jamali, A. Aprikian, M. Basik, G. Batist, C. Borchers, P. Brodt, L. Ferri, W. Foulkes, E. Franco, C. Freeman, A. Fuks, V. Giguère, L. Gilbert, W. Gotlieb, C. Greenwood, T. Hutchinson, A. Koromilas, A.S. Liberman, C. Loiselle, R. Margolese, S. Meterissian, W. Miller, A. Nepveu, L. Panasci, M. Park, J. Pelletier, M. Pollak, S. Richard, S. Robbins, N. Sadeghi, C. Shustik, L. Souhami, A. Spatz, M. Thirlwell, M. Tremblay, J. Ursini-Siegel, T. Vuong

#### Associate Professors

S. Abbasinejad Enger, J. Agulnik, J. Alfieri, J. Asselah, L. Azoulay, S. Caplan, P. Chaudhury, D. Cournoyer, S. del Rincon, S. Devic, M. Fabian, S.L. Faria, M. Henry, M. Hier, T. Hijal, N. Johnson, P. Kavan, P. Laneuville, A. Langleben, B. Lapointe, S. Lau, A. Loutfi, M. Martin, L. McCaffrey, A. Meguerditchian, E.J. Mitmaker, T. Muanza, M. T. Niazi, A. Peterson, J. Prchal, R. Rajan, Z. Rosberger, D. Senger, G. Shenouda, I. Topisirovic, A. Towers, A. Viganò, M. Witcher, J.H. Wu, G. Zogopoulos

#### Assistant Professors

S. Abish, R. Aloyz, D. Anderson, S. Aubin, M. Azoulay, B. Bahoric, S. Bouchard, N. Bouganim, J. Burnier, V. Cohen, F. Cury, R. Dalfen, M. David, M. Duclos, K. Esfahani, M. Evans, C. Ferrario, J. Friedmann, J. Kildea, N. Kopek, C. Lambert, H. Laryea, M. Lecavalier, C. Legler, I. Levesque, K. Ma, V. Mandilaras, D. Melnychuk, N. Meti, C. Mihalcioiu, A. Orthwein, S. Owen, V. Panet-Raymond, W. Parker, F. Patenaude, P. Pater, H. Patrocinio, C. Pepe, S. Perez, E. Poon, M. Popovic, I. Prakash, A. Rose, R. Saleh, S. Sirhan, S. Skamene, B. Stein, G. Stroian, K. Sultanem, F. Tremblay, J.M.G. Tsui, T. Vanounou, C.A. Vasilevsky, P. Watson, S. Wong, A. Wong Wong Keet, N. Ybarra

#### Lecturers

R. Archambault, K. Asiev, H. Bekerat, S. Bendellali, N. Buhlaiga, A. Carbonneau, P. Charghi, T. Connell, S. Ferland, R. Fisher, D. Frechette, S. Ghali, J. Goudreault, D. Guillet, G. Hegyi, G. Huni, A. Joseph, A. Khadoury, L.H. Liang, P-Y. McLaughlin, E. Neamt, P. Ramia, R-M. Rouleau, R. Ruo, A. Saidi, S. Sud, S. Tisseverasinghe, N. Tomic

#### Associate Members

J. Arseneau, S. Assouline, H. Bergman, J-F. Boileau, M. Burnier, S. Chevalier, L. Collins, T. Duchaine, S. Dumitra, C. Elbaz, J-P. Farmer, J. Feine, D. Fleischer, R. Forghani, V. Fortier, P. Galiatsatos, M. Goldberg, C. Goudie, P. Gros, L.A. Habib, J. Hall, N. Jabado, T. Jagoe, S. Jordan, C. Kleinman, A.C. Korner, S. Lambert, K. Lawlor, A. Leung, S. Li, M.E. Macdonald, C. Maheu, K. Mann, R. Michel, A. Mlynarek, L. Musgrave, B. Nicolau, P. Nugus, L. Ofiara, M. Paliouras, R. Payne, S. Rabbani, J. Rak, C. Reinhold, L. Roudaia, M. Sebag, B. Shieh, P. Siegel, E. Strumpf, R. Tabah, S. Tanguay, P. Tonin, G. Tradounsky, A. Tsimicalis, R. Turcotte, D. Wan-Chow-W

OR

NUR2 783	(3)	Psychosocial Oncology Research
ONCO 635	(3)	Qualitative and Psychosocial Health Research

OR

EXMD 617	(1)	Workshop in Clinical Trials 1
EXMD 618	(1)	Workshop in Clinical Trials 2
EXMD 619	(1)	Workshop in Clinical Trials 3
ONCO 615	(3)	Principles and Practice of Clinical Trials

~~EXMD 619~~

OR

<del>ONCO 625</del>	<del>(3)</del>	Quality Improvement Principles and Methods
<del>PHS 528</del>	<del>(3)</del>	Economic Evaluation of Health Programs

~~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~~

DENT 505	(3)	Epidemiology and Data Analysis in Primary Care 1
EPIB 507	(3)	Biostats for Health Sciences
EPIB 521	(3)	Regression Analysis for Health Sciences
EXMD 634	(3)	Quantitative Research Methods
	(3)	Epidemiology and Data Analysis in Primary Care 1

ONCO 645	(3)	Seminars in Global Oncology
POTH 637	(3)	Cancer Rehabilitation
PPHS 528	(3)	Economic Evaluation of Health Programs
PSYC 507	(3)	Emotions, Stress, and Illness
SWRK 668	(3)	Living with Illness, Loss and Bereavement

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.

#### **11.12.1.7 Otolaryngology – Head and Neck Surgery**

##### **11.12.1.7.1 Location**

Department of Otolaryngology – Head and Neck Surgery  
 MUHC (Royal Victoria Hospital)  
 1001 Boul. Decarie, D05.5709  
 Montreal QC H4A 3J1  
 Canada  
 Telephone: 514-934-1934, ext. 36386  
 Website: [mcgill.ca/ent](http://mcgill.ca/ent)

##### **11.12.1.7.2 About 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, oto-toxicity, genomics, infection, thyroid disease, or genetics.

**11.12.1.7.33 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.

**11.12.1.7.4 Otolaryngology – Head and Neck Surgery Faculty****Chair**

N. Sadeghi

**Graduate Program Director and Director of Research**

B. Segal

**Director of Residency Training Program**

K. Richardson

**Director of Head and Neck Oncology Program**

N. Sadeghi

**Director of Undergraduate Medical Education**

J. Young

**Director of Fellowship Training**

J. Rappaport

**Emeritus Professor**

A. Katsarkas

M.D Schloss

**Professors**

N. Sadeghi, S. Frenkiel, S. Daniel, K. Kost

**Associate Professors**

M. Desrosiers, N. Fanous, W.R.J. Funnell, M. Hier, J. Manoukian, L. HP. Nguyen, W.H. Novick, R. Payne, J. Rappaport, M. Samaha, B. Segal, M. Tewfik, A.G. Zeitouni, R.S. Shapiro

**Assistant Professors**

F. Chagnon, M. Duval, V.I. Forest, J. Gurberg, Y. Lacroix, R. Lafleur, A. Lehmann, C. Marchica, T. Mijovic, A. Mlynarek, K. Richardson, J. Schwartz, G. Sejean, L. Tarantino, S.D. Wurzba, J. Yeung, J. Young, L.S. Kumar, M. Mascarella, R. Sweet, S. Wurzba

**Associate Members**

H.L. Galiana, M. Henry, N.Y.K. Li, L. Mongeau, M. Paliouras, M. Sewitch, N. Li-Jessen

**Lecturers**

C. Boucher, S. Bouhabel, R. Caouette, M. Campagna-Vaillancourt, R. Dionne, Yalon Dolev, A. Finesilver, L. Himdi, O. Houle, V. Iordanescu, M. Lalonde, L. Monette, S. Nguyen, L. Picard, J. Rothstein, R. Varshney, T.V.T. Vu, R. Ywakim

**Adjunct Professor**

M. Deroche

**11.12.1.7.5 Master of Science (M.Sc.) Otolaryngology (Thesis) (45 credits)****Thesis Courses (30 credits)**

OTOL 690 (3) M.Sc. Thesis 1

OTOL 691	(3)	M.Sc. Thesis 2
OTOL 692	(6)	M.Sc. Thesis 3
OTOL 693	(6)	M.Sc. Thesis 4
OTOL 694	(12)	M.Sc. Thesis 5

### Required Courses (12 credits)

When appropriate, courses OTOL 602, OTOL 612, OTOL 603, or OTOL 613 may be replaced by other Basic Science or Clinical (500, 600, or 700 level) courses of relevance to Otolaryngology, as recommended or approved by the Department.

OTOL 602	(3)	Physiology, Histopathology and Clinical Otolaryngology 1
OTOL 603	(3)	Advanced Scientific Principles - Otolaryngology 1
OTOL 612	(3)	Physiology, Histopathology and Clinical Otolaryngology 2
OTOL 613	(3)	Advanced Scientific Principles - Otolaryngology 2

### Complementary Course

(3-4 credits)

EPIB 507	(3)	Biostats for Health Sciences
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or equivalent.

Students aiming to acquire an interdisciplinary background will be expected to take additional elective courses, at the undergraduate level if necessary.

#### 11.12.1.8 Pathology

##### 11.12.1.8.1 Location

Department of Pathology  
Duff Medical Building  
3775 University Street, Room B4  
Montreal QC H3A 2B4  
Canada  
Telephone: 514-398-3045  
Email: [gradstudies.pathology@mcgill.ca](mailto:gradstudies.pathology@mcgill.ca)  
Website: [mcgill.ca/pathology](http://mcgill.ca/pathology)

##### 11.12.1.8.2 About 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

- 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, flow cytometry, DNA, RNA, protein analysis, cell culture, advanced immunological, pharmacological, biochemical, and physiological techniques, as well as morphometry and computer-aided analysis.

#### *section 11.12.1.8.5: Master of Science (M.Sc.) Pathology (Thesis) (45 credits)*

Graduates can directly enter rewarding careers in research, or opt to continue with their studies and obtain a Ph.D. Some combine their research training with subsequent training in medicine, law, or business administration.

#### *section 11.12.1.8.6: Doctor of Philosophy (Ph.D.) Pathology*

Our graduates enter successful careers in industry, academia, government/international agencies, or clinical medicine, sometimes combining two of these options. They leave McGill with experience in leadership and communication skills in addition to being highly trained in biomedical research, and their career choices include a wide range of administrative and research positions around the world.

### **11.12.1.8.3 Pathology Admission Requirements and Application Procedures**

#### *11.12.1.8.3.1 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 out of 4.0 is required for at least the two final full-time years of undergraduate training, with a minimum CGPA of 3.0 overall, but acceptance is competitive and higher grades are generally 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. These applicants are usually required to take the *GRE* in order to properly evaluate their suitability.

Students are normally accepted into the M.Sc. program, and those candidates showing exceptional ability may be permitted to transfer into the Ph.D. program after one year of training.

Applicants who already possess an additional degree (M.Sc., M.D.) with appropriate research experience may be allowed to register in the Ph.D. program directly.

For further information, applicants may contact the Teaching Office, Department of Pathology: [gradstudies.pathology@mcgill.ca](mailto:gradstudies.pathology@mcgill.ca).

#### *11.12.1.8.3.2 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](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: Application Procedures](#) for detailed application procedures.

All applications will be evaluated by the Graduate Students Committee. Candidates found suitable must then be accepted by a research director, and adequate funding must be obtained for both personal support and research expenses.

#### *11.12.1.8.3.2.1 Additional Requirements*

- Personal statement
- Curriculum vitae
- Research proposal (when appropriate)
- GRE may be required for applicants who have not completed an undergraduate or graduate degree from a recognized foreign institution

#### *11.12.1.8.3.3 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.

#### **11.121.84 Pathology Faculty**

##### **Chair**

Lili-Naz Hazrati

##### **Director of Graduate Program**

E. Zorychta

##### **Professors**

M. Auger, M.N. Burnier Jr., A. Ferenczy, R. Fraser, I. Hüttner, R.P. Michel, A. Spatz, C.M. Telleria

##### **Associate Professors**

J. Arseneau, C. Bernard, F. Brimo, M. Blumenkrantz, S. Camilleri-Broët, B. Case, M.F. Chen, P. Fiset, M.-C. Guiot, T. Haliotis, Y Kanber, J. Karamchandani, V.A. Marcus, V.-H. Nguyen, R. Onerheim, M. Pelmus, M. Pusztaszeri, L. Rochon, J. Sonnen, E. Zorychta

##### **Assistant Professors**

O.E. Ajise, M. Alameldin, O. Aleynikova, K. Bakdounes, M. Blumenkrantz, J. Burnier, D. Caglar, J. Chepovetsky, A. Florea, L. Florianova, L. Fu, A. Gologan, A. Gregorieff, S.-M. Jung, J. Lav





- 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*

- A 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

*11.12.19.32 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 > [section 1.4.4: Application Procedures](#) for detailed application procedures.

11.12.19.32.1 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
- Letters of Reference – with Applicant Evaluation checklist forms (see Department [mcgill.ca/psychiatry/education/graduate-program/pr](http://mcgill.ca/psychiatry/education/graduate-program/pr))



PSYT 606	(3)	Mental Illness: Symptoms Diagnostics and Determinants
PSYT 701	(0)	Comprehensive Exam Mental Health

### 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:

PSYT 500	(3)	Advances: Neurobiology of Mental Disorders
PSYT 515	(3)	Advanced Studies in Addiction
PSYT 620	(3)	Trends in Clinical Psychiatry
PSYT 625	(3)	Qualitative Research in Health Care
PSYT 630	(3)	Statistics for Neurosciences
PSYT 633	(3)	Social and Cultural Research Methods
PSYT 682	(3)	Psychosocial Issues of Disease
PSYT 696	(3)	Special Topics in Psychiatry
PSYT 711	(3)	Cultural Psychiatry
PSYT 713	(3)	Psychiatric Epidemiology

#### 11.12.1.10 Surgery, Experimental

##### 11.12.1.10.1 Location

Surgery, Experimental  
 Montreal General Hospital, Room C9-169  
 1650 Cedar Avenue  
 Montreal QC H3G 1A4  
 Canada  
 Graduate Program Coordinator: Sharon Turner  
 Telephone: 514-934-1934, ext. 42837  
 Email: [gradstudies.surgery@mcgill.ca](mailto:gradstudies.surgery@mcgill.ca)  
 Website: [mcgill.ca/experimentalsurgery](http://mcgill.ca/experimentalsurgery)

##### 11.12.1.10.2 About Experimental Surgery

Experimental Surgery 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 Experimental Surgery Department 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, sur 2( 2( 2( 2( 2( 3

**M.Sc. Experimental Surgery (Thesis) (MScEd) (1216) (614694338) (54 credits)**

This course is designed to address the needs specifically within the surgical field in resource-poor settings. It comprises three main pillars: research, education, and mentorship. Through extensive research work, students will participate in the design and implementation of innovative approaches in surgical care and injury surveillance, advancing the surgical capacities in low- and middle-income countries. Students will also participate in global surgical endeavours, allo

**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.

**11.121.1032 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](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.4: Application Procedures](#) for detailed application procedures.

**11.121.10321 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**

- 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.

**11.121.1033 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 Experimental Surgery 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.

**11.121.104 Surgery, Experimental Faculty****Director**

F. Mwale

**Professors**

J. Antoniou, A. Aprikian, A. Barkun, J. Barkun, J. Barralet Beng, P. Brodt, F. Carli, S. Chevalier, P. Chan, S. Daniel, M.M. Elhilali, S. Emil, L. Feldman, L. Ferri, G.M. Fried, P. Gordon, L. Haglund, R. Hamdy, E. Harvey, T.E. Hebert, W. Kassouf, J.M. Laberge, F. Mwale, S. Meterissian, P. Metrakos, D.S. Mulder, J.A. Ouellet, A. Philip, D. Poenaru, C. Reinhold, L. Rosenberg, D. Shum-Tim, R. St. Arnaud, T. Taketo-Hosotani, S. Tanguay, M. Tanzer, C.I. Tchervenkov, J.I. Tchervenkov, R. Turcotte, A. Zini

**Associate Professors**

S. Antonian, G. Baldini, M. Basik, S. Bergman, G. Berry, O. Blaschuk, M. Boutros, R. Cecere, R. Chaytor, D. Deckelbaum, D. Fleischer, S. Fraser, M. Gilardino, T. Hemmerling, K. Khwaja, K.J. Lachapelle, J. Lapointe, L. Lessard, P.A. Martineau, A. Meguerditchian, C. O'Flaherty, S. Paraskevas, P. Puligandla, T. Razek, R. Reindl, J. Sampalis, J. Spicer, T. Steffen, O. Steinmetz, A. Thomson, M. Vassiliou, D. Zukor

### **Assistant Professors**

A. Aoude, S. Bergeron, M. Burman, L. Campeau, M. Corriveau, O. Court, A. Dragomir, N. Eliopoulos, J. Faria, J. Fiore, H. Flageole, R. Gawri, E. Girsowicz, J. Harley, O. Huk, P. Jarzem, D. Labbe, E. Lee, L. Lee, I. Litvinov, S.K. Loganathan, K. Mackenzie, J. Marcoux, E. Mitmaker, C. Mueller, M. Petropavlovskaja, D. Rosenzweig, N. Saran, K. Shaw, J. Vorstenbosch

### **Adjunct Professor**

Louis-Nicolas Veilleux

### **Associate Members**

J. Alfieri, A. Arnaert, M.N. Burnier, M. Cantarovich, J.P. Capolicchio, J.C. Chen, F. Cury, M. Falcao, C.E. Ferland-Legault, P. Goldberg, A. Gursahaney, S. Hussein, R. Koenekoop, S. Komarova, M. Larouche, J.J. Lebrun, P. Lefrancois, N.M. Makhoul, S. Mayrand, M. Murshed, P.H-N. Nguyen, S. Prakash, I. Prakash, J. Przybw M.at.52 598.08 TIDflsTj1 nau, M. J.P

EXSU 690	(4)	M.Sc. Research 1
EXSU 691	(4)	M.Sc. Research 2
EXSU 692	(4)	M.Sc. Research 3
EXSU 693	(18)	M.Sc. Thesis

**Required Courses (15 credits)**

EXMD 600	(3)	Principles of Clinical Research
EXMD 601	(3)	Real World Applications of Data Science and Informatics
	(3)	Quantitative Research Methods

**Required Courses (6 credits)**

EDPH 689	(3)	Teaching and Learning in Higher Education
EXSU 603	(3)	Surgical Education Foundations

**Complementary Courses (9 credits)**

3 credits from the following:

EDPE 575	(3)	Statistics for Practitioners
EDPE 637	(3)	Issues in Health Professions Education
EXSU 606	(3)	Statistics for Surgical Research

And:

6 credits, taken 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 additional courses.

**11.121.109 Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Innovation (45 credits)**

The M.Sc. in Experimental Surgery, Concentration in Surgical Innovation, offers graduate-level training program in experimental surgery, leading to a Master's degree. This concentration allows for a hands-on learning experience for students to develop skills necessary to work within multidisciplinary teams in the creation of novel, needs driven, and marketable prototypes used in development of novel surgical and medical devices. As such participants work in multidisciplinary teams to identify clinical needs and to innovate solutions to them.

**Thesis Courses (30 credits)**

EXSU 690	(4)	M.Sc. Research 1
EXSU 691	(4)	M.Sc. Research 2
EXSU 692	(4)	M.Sc. Research 3
EXSU 693	(18)	M.Sc. Thesis

**Required Courses (12 credits)**

EXSU 619	(3)	The Hospital Environment
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2

And:

3 credits from the following:

(3)	Statistics for Practitioners
-----	------------------------------





3 credits selected from:

Surgical Education F



EDPE 575	(3)	Statistics for Practitioners
EPIB 507	(3)	Biostats for Health Sciences
EXSU 606	(3)	Statistics for Surgical Research

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.

**11.121.1014 Graduate Diploma (Gr. Dip.) Surgical Innovation (30 credits)**

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 & 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.

3605 Rue de la Montagne  
Montreal QC H3G 2M1  
Website: [mcgill.ca/medhealthsci/education/our-schools-1829-present/school-biomedical-sciences](http://mcgill.ca/medhealthsci/education/our-schools-1829-present/school-biomedical-sciences)

### **11.12.2.2 Anatomy and Cell Biology**

#### **11.12.2.2.1 Location**

Department of Anatomy and Cell Biology  
Strathcona Anatomy and Dentistry Building  
3640 University Street, Rooms M21-M31  
Montreal QC H3A 0C7  
Canada  
Telephone: 514-398-6350  
Fax: 514-398-5047  
Website: [mcgill.ca/anatomy](http://mcgill.ca/anatomy)

#### **11.12.2.2.2 About 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.

*section 11.12.2.2.6: Doctor of Philosophy (Ph.D.) Cell Biology*

Graduate research activities leading to the presentation of the Ph.D. thesis involve original experimental work in one of the areas being actively investigated by the Department's research supervisors. Our g0 0 1 13rtment's reuotmemeas1 553.008 7028531 5(by the Depfers trainj1 thea Ouso 0 , unique, and multidiscipl1 Ory e



6 credits from one of two streams: Cell Developmental Biology Stream or Human Systems Biology Stream

### Cell Developmental Biology Stream

ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology

### Human Systems Biology Stream

\*\* This stream is currently under review. \*\*

6 credits required:

ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology

3 credits selected from:

BMDE 502	(3)	BME Modelling and Identification
BMDE 519	(3)	Biomedical Signals and Systems
BTEC 501	(3)	Bioinformatics
COMP 564	(3)	Advanced Computational Biology Methods and Research
COMP 680	(4)	Mining Biological Sequences
EXMD 602	(3)	Techniques in Molecular Genetics
MIMM 613	(3)	Current Topics 1
MIMM 614	(3)	Current Topics 2
MIMM 615	(3)	Current Topics 3
NEUR 502	(3)	Basic and Clinical Aspects of Neuroimmunology

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.

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

ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology
ANAT 695	(3)	Seminars in Cell Biology 1
ANAT 696	(3)	Seminars in Cell Biology 2
ANAT 697	(3)	Seminars in Cell Biology 3
ANAT 701	(0)	Ph.D. Comprehensive Examination

### 11.12.2.3 Biochemistry

#### 11.12.2.3.1 Location

Department of Biochemistry  
McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler



Montreal QC H3G 1Y6

Canada

Christine Laberge: Student Aff

*section 11.12.2.3.7: Master of Science (M.Sc.) Biochemistry (Thesis): Chemical Biology (47 credits)*

The Chemical Biology Thematic Group is engaged in a diverse range of research topics, which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and biophysical chemistry of living tissues. Among the themes 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, w

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) 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 T

## **Emeritus Professors**

Nicole Beauchemin, Rhoda Blostein, Philip E. Branton, Peter E. Braun, Robert E. MacKenzie, Walter E. Mushynski, Joseph Shuster, John R. Silvius, Clifford P

**11.12236 Master of Science (M.Sc.) Biochemistry (Thesis): Bioinformatics (45 credits)****Thesis Courses (30 credits)**

BIOC 694	(3)	Thesis Research 4
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

**Required Courses (6 credits)**

BIOC 696	(3)	Seminars in Biochemistry
COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

**Complementary Courses\* (9 credits)**

3 credits to be chosen from the following courses:

BIOC 600	(3)	Advanced Strategies in Genetics and Genomics
BIOC 603	(3)	Genomics and Gene Expression
BIOC 604	(3)	Macromolecular Structure
BIOC 605	(3)	Protein Biology and Proteomics
BIOC 670	(3)	Biochemistry of Lipoproteins
EXMD 615	(3)	Essentials of Glycobiology
EXMD 635D1	(3)	Experimental/Clinical Oncology
EXMD 635D2	(3)	Experimental/Clinical Oncology

Plus 6 credits from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

\* Complementary courses are chosen in consultation with the Research Director.

The Graduate Advisory Committee may stipulate additional coursework depending on the background of the candidate. BIOC 450 (Protein Structure and Function) and BIOC 454 (Nucleic Acids) are additional requirements for those who have not previously completed equivalent courses in their prior training.

**11.12237 Master of Science (M.Sc.) Biochemistry (Thesis): Chemical Biology (47 credits)****Thesis Courses (33 credits)**

BIOC 695	(6)	Thesis Research 1 (Chemical - Biology)
BIOC 698	(12)	Thesis Research 2
BIOC 699	(15)	Thesis Research 3

**Required Course (3 credits)**

BIOC 696	(3)	Seminars in Biochemistry
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**Complementary Courses\* (11 credits)**

Two of the following courses:

BIOC 610	(1)	Seminars in Chemical Biology 1
BIOC 611	(1)	Seminars in Chemical Biology 3
BIOC 689	(1)	Seminars in Chemical Biology 2
BIOC 690	(1)	Seminars in Chemical Biology 4

At least 3 credits from the following:

Adv

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)**

BIOC 696*	(3)	Seminars in Biochemistry
BIOC 701**	(0)	Research Seminar 1
BIOC 702**	(0)	Ph.D. Thesis Proposal
BIOC 703**	(0)	Ph.D. Seminar

\*Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

\*\* NOTE: Students DO NOT register for these courses until notified by the Student Affairs Officer.

\* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

\*\* NO



\* Students promoted directly from the M.Sc. to the Ph.D. program, and who registered for and passed BIOC 696 at the M.Sc. level, do not register for BIOC 696 at the Ph.D. level.

\*\* NOTE: Students DO NOT re

3775 University Street, Room 316  
Montreal QC H3A 2B4  
Canada  
Telephone: 514-398-6736  
Fax: 514-398-7461  
Website: [mcgill.ca/bme](http://mcgill.ca/bme)

#### **11.12.24.2 About 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;
-

## 11.12243 Biomedical Engineering Admission Requirements and Application Procedures

### 11.122431 Admission Requirements

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.2: Admission Requirements \(Minimum Requirements to be Considered for Admission\)](#). In addition, please see the Department's website: [mcgill.ca/bme/programs/certificate](http://mcgill.ca/bme/programs/certificate).

### 11.122432 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

Please address enquiries directly to the Department.

### 11.122433 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 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.

## 11.12244 Biomedical Engineering Faculty

### Chair

D. Juncker

### Emeritus Professors

T.M.S. Chang; H.L. Galiana

### Professors

D.L. Collins; D. Juncker; R.E. Kearney; S. Prakash; M. Tabrizian

### Associate Professors

W.R.J. Funnell; D. Bzdok; A. Haidar

### Assistant Professors

G. Chen; D.A. Rudko; C.L. Tardif

### Faculty Lecturer

R. Wagner

### Associate Members

M. Amabili; S. Baillet; C. Baker; S. Blain-Moraes; M. Chacron; X. Chai; M. Chakravarty; J. Ding; M. Driscoll; A. Ehrlicher; S. Enger; D. Guitton; A. Hendricks; C. Hoesli; Y. Iturria-Medina; A. Kamen; A. Katsarkas; J. Kildea; J. Kinsella; S. Komarova; A.-M. Lauzon; R. Leask; I. Levesque; J. Li; N. Li-Jessen; S. Lomber; G. Mitsis; L. Mongeau; R. Mongrain; C. Moraes; C. P

**Required Courses (30 credits)**

BMDE 653	(3)	Patents in Biomedical Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
BMDE 656	(3)	Medical Device Development Process
BMDE 657D1	(9)	Biomedical Engineering Industry Internship
BMDE 657D2	(9)	Biomedical Engineering Industry Internship

**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

BMDE 501	(3)	Selected Topics in Biomedical Engineering
BMDE 600D1	(1.5)	Seminars in Biomedical Engineering
BMDE 600D2	(1.5)	Seminars in Biomedical Engineering

## Biomedical Signals and Systems

BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems

## Medical Imaging

BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 650	(3)	Advanced Medical Imaging
BMDE 660	(3)	Advanced MR Imaging and Spectroscopy of the Brain
MDPH 607	(3)	Medical Imaging

## Biomaterials and Tissue Engineering

BMDE 503	(3)	Biomedical Instrumentation
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering

## Rehab Engineering

BMDE 525D1	(3)	Design of Assistive Technologies: Principles and Praxis
BMDE 525D2	(3)	Design of Assistive Technologies: Principles and Praxis

**11.12246 Graduate Certificate (Gr. Cert.) Translational Biomedical Engineering (15 credits)**

This program comprises mandatory courses dealing with topics that are unique to the translational process in the biomedical engineering environment. Topics covered will include: managing intellectual property; patents and the patenting process; regulatory affairs; medical standards; quality management systems; and clinical trials. Complementary courses will 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:

BMDE 653	(3)	Patents in Biomedical Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices

### 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

BMDE 501	(3)	Selected Topics in Biomedical Engineering
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#### Biomedical Signals and Systems

BMDE 502	(3)	BME Modelling and Identification
BMDE 503	(3)	Biomedical Instrumentation
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems

#### Medical Imaging

BIEN 530	(3)	Imaging and Bioanalytical Instrumentation
BMDE 610	(3)	Functional Neuroimaging Fusion
BMDE 650	(3)	Advanced Medical Imaging
MDPH 607	(3)	Medical Imaging

#### Biomaterials and Tissue Engineering

BIEN 510	(3)	Engineered Nanomaterials for Biomedical Applications
BMDE 504	(3)	Biomaterials and Bioperformance
BMDE 505	(3)	Cell and Tissue Engineering

#### Biosensors and Devices

BIEN 550	(3)	Biomolecular Devices
BIEN 560	(3)	Design of Biosensors
BMDE 503	(3)	Biomedical Instrumentation
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering

#### Translational Biomedical Engineering

BMDE 656	(3)	Medical Device Development Process
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**11.12.2.5 Human Genetics****11.12.2.5.1 Location**

Department of Human Genetics  
 Strathcona Anatomy & Dentistry Building  
 3640 University Street, Room 2/38F  
 Montreal QC H3A 0C7  
 Canada  
 Telephone: 514-398-4198  
 Fax: 514-398-2430  
 Email: [dept.humangenetics@mcgill.ca](mailto:dept.humangenetics@mcgill.ca)  
 Website: [mcgill.ca/humangenetics](http://mcgill.ca/humangenetics)

**Administration**

Ross MacKay – *Student Affairs Adviser*

Email: [ross.mackay@mcgill.ca](mailto:ross.mackay@mcgill.ca)

Rimi Joshi – *Student Affairs Administrator*

Email: [grad.hg@mcgill.ca](mailto:grad.hg@mcgill.ca)

**11.12.2.5.2 About Human Genetics****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.

Faculty members have a wide variety of research interests, which include:

- cancer genetics;
- cytogenetics;
- reproductive biology;
- neurogenetics;
- genomic and genetic basis of human diseases.

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 of \$20,000, plus the full amount of tuition and 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 out of 4.0 or above** (as converted by the McGill GPS guidelines) 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.

***section 11.12.2.5.5: Master of Science (M.Sc.) Human Genetics (Thesis) (45 credits)***

The Department of Human Genetics provides a unified curriculum of study in genetics. Areas of specialization include:

- biochemical genetics
- genetics of development
- animal models of human diseases
- cancer genetics
- molecular pathology
- gene therapy

#### *section 11.12.2.5.5: Master of Science (M.Sc.) Human Genetics (Thesis) (45 credits)*

- genetic dissection of complex traits
- genetics of infectious and inflammatory diseases
- non-mendelian genetics
- bioinformatics
- behavioural genetics
- neurogenetics
- bioethics
- genomics

Many of our faculty 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. 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 *McGill University & Genome Quebec Innovation Centre*, the Biomedical Ethics Unit, and the *Centre for Genomics and Policy*.

#### *section 11.12.2.5.7: Master of Science (M.Sc.) Human Genetics (Thesis): Bioethics (45 credits)*

McGill University offers specialized education in bioethics to graduate students in the Faculties of Medicine and Law, the School of Religious Studies, and the Department of Philosophy. The Master's degree Specialization in Bioethics is an interdisciplinary academic program that emphasizes both the conceptual and the practical aspects of bioethics.

#### *section 11.12.2.5.6: Master of Science (M.Sc.) Human Genetics (Thesis): Bioinformatics (45 credits)*

**\*\*This program is currently not offered.\*\***

Students successfully completing the Bioinformatics option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field. Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics Option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases and the use of algorithms and statistics.

**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.**

#### *section 11.12.2.5.8: Master of Science (M.Sc.) Genetic Counselling (Non-Thesis) (48 credits)*

The M.Sc. in Genetic Counselling program provides the academic foundation and clinical training required for the contemporary practice of genetic counselling. Genetic counsellors are health professionals who provide information and support to families who have members with birth defects or genetic disorders and to families who may be at risk for a variety of inherited conditions. Genetic counsellors investigate the problem present in the family, analyze inheritance patterns and risks of recurrence, and review available options with the family. Some counsellors also work in administrative and academic capacities, and many engage in research activities.

The curriculum includes a variety of required courses in human genetics and other departments, and 40 weeks of supervised clinical training spread over four semesters. Graduates will be eligible to sit for both the Canadian Association of Genetic Counsellors and the American Board of Genetic Counselling certification examinations. Upon completion of the M.Sc. in Genetic Counselling program, students will demonstrate competence in, or satisfactory knowledge of: principles of human genetics, including cytogenetics, biochemical, molecular, and population genetics; methods of interviewing and counselling, and the dynamics of human behaviour in relation to genetic disease; and social, legal, and ethical issues in genetics. Enrolment will be limited to four students.

#### *section 11.12.2.5.9: Doctor of Philosophy (Ph.D.) Human Genetics*

The Department of Human Genetics provides a unified curriculum of study in genetics. Areas of specialization include: biochemical genetics, genetics of development, animal models of human diseases, cancer genetics, molecular pathology, gene therapy, genetic dissection of complex traits, genetics of infectious and inflammatory diseases, non-Mendelian genetics, bioinformatics, behavioural genetics, neurogenetics, bioethics, and genomics. Many of our faculty hold cross-appointments in various departments (including: biochemistry, biology, cardiology, medicine, microbiology, immunology, neurology, pathology, pediatrics, pharmacology, psychiatry) within the Faculties of Science and Medicine. This enables numerous opportunities for interdisciplinary research and collaboration. The Department conducts research on all sites of the McGill University Health Centre (MUHC), the Montreal Neurological Institute and Hospital, the McGill Life Sciences Complex, the *McGill University*

*section 11.12.2.5.10: Doctor of Philosophy (Ph.D.) Human Genetics: Bioinformatics*

Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field and have the capability of developing an independent Bioinformatics research program. Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the de



**11.12254 Human Genetics Faculty**

**Chair**

W. Foulkes

**Program Directors**

J. Fitzpatrick, A. Naumova

**Emeritus Professors**

F

HGEN 663	(3)	Beyond the Human Genome
HGEN 670	(3)	Advances in Human Genetics 1
HGEN 690	(3)	Inherited Cancer Syndromes
HGEN 693	(3)	Using Bioinformatics Resources
HGEN 695	(3)	Psychiatric Genetics
HGEN 696	(3)	Advanced Readings in Genetics 1
HGEN 697	(3)	Advanced Readings in Genetics 2
HGEN 698	(3)	Advanced Readings in Genetics 3
HGEN 699	(3)	Advanced Readings in Genetics 4

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

#### **11.1225.6 Master of Science (M.Sc.) Human Genetics (Thesis): Bioinformatics (45 credits)**

\*\* This program is currently not offered. \*\*

##### **Thesis Courses (33 credits)**

HGEN 680	(9)	M.Sc. Thesis Research 1
HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3

##### **Required Courses (6 credits)**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics

##### **Complementary Courses (6 credits)**

6 credits from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

#### **11.1225.7 Master of Science (M.Sc.) Human Genetics (Thesis): Bioethics (45 credits)**

##### **Thesis Courses (30 credits)**

30 credits selected as follows:

HGEN 681	(12)	M.Sc. Thesis Research 2
HGEN 682	(12)	M.Sc. Thesis Research 3
HGEN 683	(6)	M.Sc. Thesis Research 4

##### **Required Courses (12 credits)**

12 credits from:

BIOE 680	(3)	Bioethical Theory
BIOE 681	(3)	Bioethics Practicum

## Laboratory Research



Fax: 514-398-7052

Email:

### 11.122632 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) 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.

#### 11.122632.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- [Supervisor Confirmation Form](#)
- Personal Statement
- CV

### 11.122633 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/application-steps/application-deadlines](http://mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines).

Online applications and all required documents must be submitted prior to the application deadline.

### 11.12264 Microbiology and Immunology Faculty

#### Chair

Samantha Gruenheid

#### Emeritus Professors

N. Acheson, M. Baines, J.W. Coulton

#### Professors

J. Archambault, A. Berghuis, S. Gruenheid, G.J. Matlashewski, M. Olivier, C. Piccirillo, D. Sheppard, M. Stevenson

#### Associate Professors

D.J. Briedis, B. Cousineau, S. Fournier, J. Fritz, I. King., G.T. Marczynski, S. Sagan, A. Shapiro

#### Assistant Professors

J Chahal, C. Maurice

#### Associate Members

*Epidemiology and Infectious Diseases:* M. Behr, A. Dascal

*Genetics:* K. Dewar, E. Schurr

*Immunology, Autoimmunity, Host Defense:* J. Antel, M. Burnier, I. Colmegna, P. Gros, A. Kristof, J. Mandl, A. Orthwein, J. Rauch, J. Spicer, C. Tsoukas, S. Vidal

*Immunology and Parasitology:* B. Brenner, C.T. Costiniuk, M. Ndao, P. Rohrbach, B. Ward, J. Zhang

MIMM 699 (11) Master's Research 3

### Required Courses (6 credits)

MIMM 611 (3) Graduate Seminars 1

MIMM 612 (3) Graduate Seminars 2

### Complementary Courses (6 credits)

Minimum 6 credits from:

MIMM 607 (3) Biochemical Pathology  
 MIMM 616 (3) Reading and Conference 1  
 MIMM 617\* (3) Reading and Conference 2  
 MIMM 618\* (3) Reading and Conference 3  
 MIMM 619\* (3) Reading and Conference 4  
 NEUR 502 (3) Basic and Clinical Aspects of Neuroimmunology

Any life sciences-related 500-level or above course (3 credits). Department approval required.

\* Not offered in every academic year.

### 11.12.2.6 Doctor of Philosophy (Ph.D.) Microbiology and Immunology

The primary goal of the Ph.D. program is to create a self-propelled researcher, proficient in experimental designs and advanced methodologies applicable to the varied and rapidly changing disciplines in microbiology and immunology. Close research supervision and bi-weekly laboratory sessions impart the requisite research discipline and objective assessment of acquired or published research data.

### 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)

MIMM 611 (3) Graduate Seminars 1  
 MIMM 612 (3) Graduate Seminars 2  
 MIMM 701 (0) Comprehensive Examination-Ph.D. Candidate  
 MIMM 713 (3) Graduate Seminars 3

### Complementary Courses (9 credits)

9 credits from the following:

MIMM 616 (3) Reading and Conference 1  
 MIMM 617 (3) Reading and Conference 2  
 MIMM 618 (3) Reading and Conference 3  
 MIMM 619 (3) Reading and Conference 4

OR

Any life sciences-related courses at the 500 level or higher. Departmental approval is required.

### 11.12.2.7 Pharmacology and Therapeutics

#### 11.12.2.7.1 Location

Department of Pharmacology and Therapeutics

McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler, Room 1325  
Montreal QC H3G 1Y6  
Canada  
Telephone: 514-398-3623  
Fax: 514-398-2045  
Email: [gradstudies.pharmacology@mcgill.ca](mailto:gradstudies.pharmacology@mcgill.ca)  
Website: [mcgill.ca/pharma](http://mcgill.ca/pharma)

### 11.12.2.7.2 About 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 offers broad exposure and training in both basic and clinical research in a range of areas of specialty, including:

- neuropharmacology;
- reproductive pharmacology;
- endocrine pharmacology;
- receptor pharmacology;
- cardiovascular pharmacology;
- cancer;
- developmental pharmacology;
- autonomic pharmacology;
- clinical pharmacology;
- biochemical pharmacology;
- molecular biology;
- toxicology.

The present 51 full and affiliate members of the Department have research laboratories located in the McIntyre Medical Sciences Building and in a variety of hospitals, institutes, and industry including the Douglas Hospital Research Centre, Allan Memorial Institute, Montreal Children's Hospital, Montreal General Hospital, 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 of the Department's applications-oriented training programs.

#### *section 11.12.2.7.5: Master of Science (M.Sc.) Pharmacology (Thesis) (45 credits)*

The objective of the M.Sc. (Thesis) and Ph.D. degree training programs is to provide in-depth independent research experience in a specific area of pharmacology. The program leading to a master's degree is designed to provide students the opportunity to acquire knowledge in pharmacology, to conduct a research project, to analyze data, and to write a thesis. Students will also receive essential training in professional communication.

#### *section 11.12.2.7.6: Master of Science (M.Sc.) Pharmacology (Thesis): Environmental Health Sciences (45 credits)*

The M.Sc. in Pharmacology: Environmental Health Sciences focuses on the interplay between the environment and health. Environmental health research is highly interdisciplinary; students will be given the opportunity to acquire a broad environmental perspective on exposure sciences, hazard screening



*section 11.12.2.7.9: Graduate Certificate (Gr. Cert.) Biomedical Science Translational Research (15 credits)*

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.

**11.12.2.7.3 Pharmacology and Therapeutics Admission Requirements and Application Procedures**

*11.12.2.7.3.1 Admission Requirements*

Candidates are required to hold a B.Sc. degree in a discipline relevant to the proposed field of study; those with the M.D., D.D.S., or D.V.M. degrees are also eligible to apply. A background in the health sciences is recommended, but programs in biology, chemistry, mathematics, and physical sciences may be acceptable.

Admission is based on a student's academic record, letters of assessment, and—whenever possible—interviews with staff members. Students are required to take the Graduate Record Examination Aptitude Test (*GRE*) and the Test of English as a Foreign Language (*TOEFL*) or the equi

**Associate Members**

C. Baglolle, S. Laporte, N. Luedtke, , S. Nattel, C. O'Flaherty, S. Rousseau, E. Zorychta, M Basik, M. Pollak

**Adjunct Professors**

B. Allen, S. Chemtob, , G. FitzHarris, J. S. Joyal, F. Le Boeuf, T. Sanderson, L. Stone

**Affiliate Members**

M. Boucher, L. Breton, L. Garolalo, J. Gillard, J. Mancini, K. Meerovitch, C. Wright, T. Cohen

**11.12275 Master of Science (M.Sc.) Pharmacology (Thesis) (45 credits)**

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)**

PHAR 696	(3)	Thesis Preparation
PHAR 697	(6)	Thesis Preparation 1
PHAR 698	(9)	Thesis Preparation 2
PHAR 699	(12)	Thesis Preparation 3

**Required Courses (15 credits)**

PHAR 601	(6)	Research Seminar
PHAR 602	(3)	Principles of Pharmacology
PHAR 609	(1)	Research Professionalism for Pharmacologists
PHAR 610	(2)	Scientific Communication for Pharmacologists
PHAR 712	(3)	Statistics for Pharmacologists

**11.12276 Master of Science (M.Sc.) Pharmacology (Thesis): Environmental Health Sciences (45 credits)**

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)**

PHAR 696	(3)	Thesis Preparation
PHAR 698	(9)	Thesis Preparation 2
PHAR 699	(12)	Thesis Preparation 3

**Required Courses (21 credits)**

PHAR 601	(6)	Research Seminar
PHAR 602	(3)	Principles of Pharmacology
PHAR 609	(1)	Research Professionalism for Pharmacologists
PHAR 610	(2)	Scientific Communication for Pharmacologists
PHAR 670	(3)	Principles of Environmental Health Sciences 1
PHAR 671	(3)	Principles of Environmental Health Sciences 2
PHAR 712	(3)	Statistics for Pharmacologists

**11.122.77 Doctor of Philosophy (Ph.D.) Pharmacology**

The Ph.D. in Pharmacology focuses on research methodology

3 credits from the following:

PHAR 702	(3)	Topics in Pharmacology 1
PHAR 703	(3)	Topics in Pharmacology 2
PHAR 704	(3)	Topics in Pharmacology 3
PHAR 705	(3)	Topics in Pharmacology 4
PHAR 706	(3)	Topics in Pharmacology 5
PHAR 707	(3)	Topics in Pharmacology 6

or the equivalent, upon approval by the Graduate Training Committee (GTC.)

#### **11.12.2.9 Graduate Certificate (Gr. Cert.) Biomedical Science Translational Research (15 credits)**

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)**

FMED 525	(3)	Foundations of Translational Science
PHAR 522D1	(3)	Fundamentals of Disease Therapy
PHAR 522D2	(3)	Fundamentals of Disease Therapy
PHAR 524	(3)	Clinical Mentorship

#### **Complementary Courses (3 credits)**

3 credits from:

BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
EPIB 507	(3)	Biostats for Health Sciences
EXMD 617	(1)	Workshop in Clinical Trials 1
EXMD 618	(1)	Workshop in Clinical Trials 2
EXMD 619	(1)	Workshop in Clinical Trials 3
EXMD 620	(1)	Clinical Trials and Research 1
EXMD 633	(3)	Clinical Aspects of Research in Respiratory Diseases
EXMD 640	(3)	Experimental Medicine Topic 1
PHAR 508	(3)	Drug Discovery and Development 3
PPHS 529	(3)	Global Environmental Health and Burden of Disease

#### **11.12.2.8 Physiology**

##### **11.12.2.8.1 Location**

Department of Physiology  
McIntyre Medical Sciences Building  
3655 Promenade Sir-William-Osler  
Montreal QC H3G 1Y6 Canada  
Telephone: 514-398-4343  
Website: [mcgill.ca/physiology](http://mcgill.ca/physiology)

##### **11.12.2.8.2 About Physiology**

The Physiology Department offers training leading to **M.Sc.** and **Ph.D.** degrees. The scope of the ongoing research, and close connections with the McGill teaching hospital.

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 fello

**Language Requirements**

Test of English as a Foreign Language (

## Associate Members

*Anaesthesia:* Steven Backman

*Biomedical Engineering:* Satya Prakash

*Mathematics:* Anthony Humphries

*Medicine:* Volker Blank, Mark Blostein, Andrey Cybulsky, Anne-Marie Lauzon, James Martin, Shafaat Rabbani, Simon Rousseau, Benjamin M. Smith, Mary Stevenson, Tomoko Takano, Elena Torban, Simon Wing

*Microbiology and Immunology:* Jörg Fritz

*Neurology and Neurosurgery:* Jack Antel, Daniel Guitton, Christopher Pack, Ed Ruthazer, Amir Shmuel, Jesper Sjöström, Jo Anne Stratton

*Ophthalmology:* Curtis Baker

*Pharmacology and Therapeutics:* Daniel Bernard, Derek Bowie, Terence Hebert

*Psychiatry:* Nicolas Cermakian

*Research in Neuroscience:* Charles Bourque

## Adjunct Professors

M. Craig, K. Cullen, P. Haghighi, J. Martinez-Trujillo

## Faculty Lecturer

Céline Aguer

### 11.12.28.5 Master of Science (M.Sc.) Physiology (Thesis) (45 credits)

#### Thesis Courses (27 credits)

PHGY 621	(12)	Thesis 1
PHGY 622	(12)	Thesis 2
PHGY 623	(3)	M.Sc. Final Seminar

#### Required Courses (12 credits)

PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(2)	Literature Search and Research Proposal
PHGY 604	(0)	Responsible Conduct in Research
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2
PHGY 620	(3)	Progress in Research

#### Elective Courses (6 credits)

Students must select 6 approved credits in Physiology or Science at the 500 level or above.

### 11.12.28.6 Master of Science (M.Sc.) Physiology (Thesis): Bioinformatics (45 credits)

\*\* This program is currently not offered. \*\*

#### Thesis Courses (27 credits)

PHGY 621	(12)	Thesis 1
PHGY 622	(12)	Thesis 2
PHGY 623	(3)	M.Sc. Final Seminar

#### Required Courses (12 credits)

### Thesis 2

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PHGY 601	(1)	M.Sc. Proposal Seminar
PHGY 602	(2)	Literature Search and Research Proposal
PHGY 604	(0)	Responsible Conduct in Research
PHGY 607	(3)	Laboratory Research 1
PHGY 608	(3)	Laboratory Research 2

**Complementary Courses (6 credits)**

6 credits to be chosen from the following:





**Complementary Courses (6 credits)**

6 credits to be chosen from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics

**11.122810 Doctor of Philosophy (Ph.D.) Physiology: Chemical Biology**

\*\* 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 de

Montreal QC H3A 1G1  
Canada  
Telephone: 514-398-4137  
Fax: 514-398-8123  
Email: [scsd@mcgill.ca](mailto:scsd@mcgill.ca)  
Website: [mcgill.ca/scsd](http://mcgill.ca/scsd)

### 11.12.3.2 About Communication Sciences and Disorders

The School provides both professional and research training in communication sciences and disorders at the graduate level through its **M.Sc. (Applied)**, **M.Sc.**, and **Ph.D.** degrees. We were the first department in Canada to provide both clinical and research degrees. Our M.Sc.A. program aims to educate the next generation of well-prepared and innovative speech-language pathology professionals by providing enriched classroom training, clinical laboratory activities that enhance the transition from theory to practice, and outstanding clinical practicum experiences. Our research degrees are designed to develop leading researchers and scholars, who will go on to train future investigators in the field of communication sciences and disorders and who, through their research, will advance our understanding of the processes of human communication and its breakdown.

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 practise as speech-language pathologists within their borders comply with special provincial or state licensing regulations. Graduates wishing to practise in the province of Quebec must be members of the *Ordre des Orthophonistes et Audiologistes du Québec*

*section 11.12.3.6: Master of Science, Applied (M.Sc.A.) Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (82 credits)*

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* (SA.8466o.8466o.8466o.8466o.8466o.8466o)



**Professor (Post-Retirement)**

Vincent Gracco

**Professors**

Shari R. Baum; Marc D. Pell; Linda Polka; Susan Rvachew; Karsten Steinhauer; Elin Thordardottir

**Associate Professors**

Meghan Clayards; Laura Gonnerman; Aparna Nadig; Nicole Yee-Key Li-Jessen

**Assistant Professors**

TBA

**Assistant Professors (Professional)**

Kelly Root; Sophie Vaillancourt

**Faculty Lecturer**

Lauren Tittley

**Assistant Professors (Part-Time)**

Christina Lattermann; Rosalee Shenker

**Faculty Lecturers (Part-Time)**

Mary Jane Blais; Liliane Brunetti; Lisa Massaro; Gina Mills; Amanda Ovadia; Eve Julie Rioux; Jordan Scholl; Kalyna Franko; Keren Ritter; Laura MacGrath; Stacey Knecht; Genevieve Beauregard-Paultre; Stephanie Houston; Samin Moradi; Maia Masuda

**Adjunct Professors**

Krista Byers-Heinlein; David McFarland; Lucie Ménard; Doug Shiller

**Associate Members**

Eva Kehayia; Denise Klein; Luc Mongeau; Debra Titone

**11.12.3.5 Master of Science (M.Sc.) Communication Sciences and Disorders (Thesis) (45 credits)****Thesis Courses (24 credits)**

SCSD 671	(12)	M.Sc. Thesis 1
SCSD 672	(12)	M.Sc. Thesis 2

**Complementary Courses (21 credits)**

6-21 credits chosen from:

SCSD 675	(12)	Special Topics 1
SCSD 676	(9)	Special Topics 2
SCSD 677	(6)	Special Topics 3
SCSD 678	(3)	Special Topics 4

0-15 credits chosen from:

SCSD 673	(12)	M.Sc. Thesis 3
SCSD 674	(3)	M.Sc. Thesis 4

or courses in other departments, as arranged with the student's thesis supervisor.

**11.12.3.6 Master of Science, Applied (M.Sc.A.) Communication Sciences & Disorders (Non-Thesis): Speech-Language Pathology (82 credits)**

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 competence-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)**

IPEA 500	(0)	Roles in Interprofessional Teams
IPEA 501	(0)	Communication in Interprofessional Teams
IPEA 502	(0)	Patient-Centred Care in Action
SCSD 609	(3)	Neuromotor Disorders

### 11.12.3.7 Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders

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:

SCSD 652	(3)	Advanced Research Seminar 1
SCSD 653	(3)	Advanced Research Seminar 2
SCSD 701	(0)	Doctoral Comprehensive

#### 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:

SCSD 654	(3)	Advanced Research Seminar 3
SCSD 685	(3)	Research Project 1
SCSD 686	(3)	Research Project 2

Plus 6 credits, of graduate-level courses, pre-approved by the supervisor and the graduate program director.

#### Doctor of Philosophy (Ph.D.) Communication Sciences and Disorders: Language



SCSD 701

(0)

Doctoral Comprehensive

The Master's Specialization in Bioethics is sponsored by the:

- Faculty of Medicine and Health Sciences, Division of Experimental Medicine, Department of Human Genetics, Department of Family Medicine;
- 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.

### **11.12423 Bioethics Admission Requirements and Application Procedures**

#### *11.124231 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.

#### *11.124232 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) 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).

### 11.12.4.3 Epidemiology and Biostatistics

#### 11.12.4.3.1 Location

Department of Epidemiology, Biostatistics and Occupational Health  
2001 McGill College Avenue  
Suite 1200  
Montreal 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)

#### 11.12.4.3.2 About Epidemiology and Biostatistics

The Department offers **master's and doctoral programs in both Epidemiology and Biostatistics**, as well as a **Master's 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; and 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:

- 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 acti

**Associate Professors**

R. Allard, L. Azoulay, O. Basso, N. Basta, J. Baumgartner, A. Benedetti, J. Chevrier, J. Cox, K. Filion, S. Harper, P. Héroux, M. Maheu-Giroux, A. Nandi, M. Rossignol, E. Strumpf, S. Weichenthal, S. Yang

**Assistant Professors**

A. Banerjee, G. Cadieux, M. Carabali, K. Dehghani, M. Drouin, S. Golchi, D. Kaiser, A. Koski, S. Martin, C.T. Nguyen, D. Panagiotoglou, L. Patry, S. Pénicaud, M. Roy, A. Russell C. Stich, Q. Zhang

**Associate Members**

*Biomedical Ethics Unit*

**Adjunct Professors**

*Shire Inc.: A. Koutsavlis*

*Univ. de Montréal*

***section 11.12.4.3.4.5: 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.

***section 11.12.4.3.4.7: 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 div



- 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.
- **OPTIONAL:** For international health professionals, and other applicants without significant quantitative training on their transcript, GRE results with a strong result (160+) 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 p6., 0 1 2Tm(TmTj/F1 8.1 Tf1 0 0 1 92.643 681.18 Tm )Tjrength2.t 1 8ldemiology,redcants who hold32 1 72 Tm(gree o 1 555.417 630. 728Tm(ttTc1 0 d



Students exempted from any of the courses listed below must replace them with additional complementary course credits.

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
EPIB 621	(4)	Data Analysis in Health Sciences
PPHS 602	(3)	Foundations of Population Health

**Complementary Course (3 credits)**

3 credits of coursework, at the 500 level or higher

### 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.

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
EPIB 621	(4)	Data Analysis in Health Sciences
EPIB 634	(3)	Fundamentals of Pharmacoepidemiology
EPIB 662	(1)	Pharmacological Basis of Pharmacoepidemiology
PPHS 602	(3)	Foundations of Population Health

### 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.

#### *11.124346 Master of Science (M.Sc.) Public Health (Non-Thesis) (60 credits)*

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 three-month practicum 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.

EPIB 601	(4)	Fundamentals of Epidemiology
EPIB 603	(4)	Intermediate Epidemiology
EPIB 605	(1)	Critical Appraisal in Epidemiology
EPIB 607	(4)	Inferential Statistics
EPIB 613	(1)	Introduction to Statistical Software
	(4)	

3 credits from:

PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 617	(3)	Impact Evaluation

Or other course, at the 500 level or higher, selected with the Program's Academic Adviser.

**Population and Public Health Interventions (social and behavioural science)**

3 credits from:

EPIB 632	(3)	Mental Disorders: Population Perspectives and Methods
PPHS 614	(3)	Knowledge Translation and Public Health Leadership
PPHS 616	(3)	Principles and Practice of Public Health Surveillance Program Planning and Ev

SOCI 545	(3)	Sociology of Population
SOCI 626	(3)	Demographic Methods

Or other courses, at the 500-level or higher, selected with the Academic Adviser.

### **Elective Courses (6-15 Credits)**

6-15 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 Adviser.

#### *11.124.347 Doctor of Philosophy (Ph.D.) Epidemiology*

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 (16 credits)**

EPIB 701	(0)	Ph.D. Comprehensive Examination
EPIB 702	(0)	Ph.D. Proposal
EPIB 703	(2)	Principles of Study Design
EPIB 704	(4)	Doctoral Level Epidemiologic Methods 1
EPIB 705	(4)	Doctoral Level Epidemiologic Methods 2
EPIB 706	(3)	Doctoral Seminar in Epidemiology
EPIB 707	(3)	Research Design in Health Sciences

### **Complementary Courses (9 credits)**

9 credits of coursework, at the 500 level or higher

**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 degree program's director or adviser.

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.

GEOG 503	(3)	Advanced Topics in Health Geography
NUTR 501	(3)	Nutrition in Developing Countries
PPHS 525	(3)	Health Care Systems in Comparative Perspective
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 529	(3)	Global Environmental Health and Burden of Disease
SOCI 513	(3)	Social Aspects HIV/AIDS in Africa
SOCI 519	(3)	Gender and Globalization
SOCI 545	(3)	Sociology of Population

**11.124349 Doctor of Philosophy (Ph.D.) Epidemiology: Pharmacoepidemiology**

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 (25 credits)**

EPIB 639	(4)	Pharmacoepidemiologic Methods
EPIB 654	(2)	Pharmacoepidemiology 4
EPIB 661	(2)	Pharmacoepidemiology 3
EPIB 662	(1)	Pharmacological Basis of Pharmacoepidemiology
EPIB 701	(0)	Ph.D. Comprehensive Examination
EPIB 702	(0)	Ph.D. Proposal
EPIB 703	(2)	Principles of Study Design
EPIB 704	(4)	Doctoral Level Epidemiologic Methods 1
EPIB 705	(4)	Doctoral Level Epidemiologic Methods 2
EPIB 706	(3)	Doctoral Seminar in Epidemiology
EPIB 707	(3)	Research Design in Health Sciences

**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 degree program's director or adviser.

**11.1243410 Doctor of Philosophy (Ph.D.) Epidemiology: Population Dynamics**

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 de

- 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.

#### *section 11.12.4.3.5.2: 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.

#### *section 11.12.4.3.5.3: Master of Science (M.Sc.) Biostatistics (Non-Thesis) (48 credits)*

The M.Sc. Non-Thesis program is designed to expose students to a wide range of topics including statistical methods for epidemiology, generalized linear models, survival analysis, longitudinal data, and clinical trials. Skills in data analysis, statistical consulting, communication, and report writing are emphasized, and students graduate ready to work in the pharmaceutical and biotechnology industries, in government, or in academic medical research.

#### *section 11.12.4.3.5.4: 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.

### *11.124.351 Biostatistics Admission Requirements and Application Procedures*

#### 11.124.351.1 Admission Requirements

An undergraduate degree in mathematics or statistics or its equivalent (an honours degree is preferred, but not required). At least three semesters of calculus; two semesters of linear algebra; at least one (but preferably two) semesters of real analysis; and a full-year course/sequence in mathematical statistics, preferably at an honours level, e.g., MATH 356/MATH 357. 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 PhD 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 directly to 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 can 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 at [mcgill.ca/epi-biostat-occh/academic/ca/epi-biosu1](http://mcgill.ca/epi-biostat-occh/academic/ca/epi-biosu1) 485.825.588.1 67.5(h/acad



Admission to graduate studies is competitive; late and/or incomplete applications will not be considered.

**11.124.352 Master of Science (M.Sc.) Biostatistics (Thesis) (45 credits)**

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and thesis.

**Thesis Courses (21 credits)**

BIOS 690 (21) M.Sc. Thesis

**Required Courses (24 credits)**

Students exempted from any of the courses listed below must replace them with complementary course credits, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

BIOS 601 (4) Epidemiology: Introduction and Statistical Models  
BIOS 602 (4) Epidemiology: Regression Models  
MATH 523 (4) Generalized Linear Models  
MATH 533 (4) Regression and Analysis of Variance  
MATH 556 (4) Mathematical Statistics 1  
MATH 557 (4) Mathematical Statistics 2

**11.124.353 Master of Science (M.Sc.) Biostatistics (Non-Thesis) (48 credits)**

Training in statistical theory and methods, applied data analysis, scientific collaboration, communication, and report writing by coursework and project.

**Research Project (6 credits)**

BIOS 630 (6) Research Project/Practicum in Biostatistics

**Required Courses (24 credits)**

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

BIOS 601 (4) Epidemiology: Introduction and Statistical Models  
BIOS 602 (4) Epidemiology: Regression Models  
MATH 523 (4) Generalized Linear Models  
MATH 533 (4) Regression and Analysis of Variance  
MATH 556 (4) Mathematical Statistics 1  
MATH 557 (4) Mathematical Statistics 2

**Complementary Courses (18 credits)**

18 credits of coursework, at the 500 level or higher, chosen in consultation with the student's academic adviser or supervisor.

**11.124.354 Doctor of Philosophy (Ph.D.) Biostatistics**

Students will study theoretical and applied statistics and related fields; the program will train them to become independent scientists able to develop and apply statistical methods in medicine and biology and make original contributions to the theoretical and scientific foundations of statistics in these disciplines. Graduates will be prepared to develop new statistical methods as needed and apply new and existing methods in a range of collaborative projects. Graduates will be able to communicate methods and results to collaborators and other audiences, and teach biostatistics to biostatistics students, students in related fields, and professionals in academic and other settings.

**Thesis**

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.

BIOS 701	(0)	Ph.D. Comprehensive Examination
BIOS 702	(0)	Ph.D. Proposal

**Complementary Courses (18-46 credits)**

0-28 credits from the following list: (if a student has not already successfully completed them or their equivalent)

BIOS 601	(4)	Epidemiology: Introduction and Statistical Models
BIOS 602	(4)	Epidemiology: Regression Models
BIOS 624	(4)	Data Analysis and Report Writing
MATH 523	(4)	Generalized Linear Models
MATH 533	(4)	Regression and Analysis of Variance
MATH 556	(4)	Mathematical Statistics 1
MATH 557	(4)	Mathematical Statistics 2

12 credits (chosen and approved in consultation with the student's academic adviser), at the 500 level or higher

**11.12443 Occupational Health Admission Requirements and Application Procedures****11.124431 Admission Requirements**

- 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.

**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.

**11.124432 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

Applications are considered for Fall term only. Applications for 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.

**11.124433 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/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/Summer term admission will not be considered, with the exception of admission as Special Students in the Winter term.

**11.12444 Occupational Health Faculty**

Please see [section 11.12.4.3.3: Epidemiology, Biostatistics and Occupational Health Faculty](#).

**11.12445 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; 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)**

OCCH 699	(15)	Project Occupational Health and Safety
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**Required Courses (31 credits)**

EPIB 507	(3)	Biostats for Health Sciences
EPIB 601	(4)	Fundamentals of Epidemiology
OCCH 602	(3)	Occupational Health Practice
OCCH 604	(3)	Monitoring Occupational Environment
OCCH 605	(6)	Physical Health Hazards
OCCH 608	(3)	Biological Hazards
OCCH 612	(3)	Principles of Toxicology

OCCH 615	(3)	Occupational Safety Practice
OCCH 616	(3)	Occupational Hygiene

**11.12446 Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Distance) (45 credits)**

\*\*This program is currently not accepting applicants.\*\*

**Research Project (15 credits)**

OCCH 699	(15)	Project Occupational Health and Safety
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**Required Courses (30 credits)**

Note: Students must pass the Master's Integrative Examination (OCCH 600) before writing their Project.

Each course has a final (proctored) examination at the end of the term.

OCCH 600	(0)	Master's Integrative Exam
OCCH 602	(3)	Occupational Health Practice
OCCH 603	(3)	Work and Environment Epidemiology 1
OCCH 604	(3)	Monitoring Occupational Environment
OCCH 608	(3)	Biological Hazards
OCCH 612	(3)	Principles of Toxicology
OCCH 615	(3)	Occupational Safety Practice
OCCH 616	(3)	Occupational Hygiene
OCCH 617	(3)	Occupational Diseases
OCCH 624	(3)	Social and Behavioural Aspects - Occupational Health
OCCH 625	(3)	Work and Environment Epidemiology 2
OCCH 626	(3)	Basics: Physical Health Hazards
OCCH 627	(3)	Work Physiology and Ergonomics
OCCH 630	(3)	Occupational Diseases for OHNS
OCCH 635	(3)	Environmental Risks to Health

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.

**11.12447 Doctor of Philosophy (Ph.D.) Occupational Health**

\*\*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)**

OCCH 700	(0)	Ph.D. Comprehensive Examination
OCCH 706	(2)	Ph.D. Seminar on Occupational Health and Hygiene

Students are encouraged to take up to 12 credits in areas pertinent to their specialty or in areas necessary to complete their knowledge of occupational health.

## 12 Schulich School of Music

### 12.1 Dean's Welcome

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies*

### 12.2 Graduate and Postdoctoral Studies

#### 12.2.1 Administrative Officers

##### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

**Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)**

Lorraine Chalifour; B.Sc., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Nathan Hall; B.A., M.A., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.)

**Associate Dean (Graduate and Postdoctoral Studies)**

#### 12.2.2 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.

#### 12.2.3 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.

### 12.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](http://mcgill.ca/importantdates).

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## 12.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## Program Requirements

ii. 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.

iii. 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

i. 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](#).

ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.

iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

## 3. Appointment, Funding, Letter of Agreement

i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.

ii. 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.

iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.

iv. 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.

v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

## 4. Privileges

i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).

ii. Postdocs have full graduate student borrowing privileges in McGill libraries through their identity card.

iii. 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](#). [Tuition and other charges](#) will apply

- 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.

v. 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.

vi. 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/students/srr](http://mcgill.ca/students/srr), and the Graduate and Postdoctoral Studies [University Regulations and Resources](#);
- to submit a complete file for registration 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.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

### 12.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

### 12.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

### 12.8.5 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 the Doctoral degree or 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.

**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 from a recognized Canadian funding agency.



**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. 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 Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

#### General Conditions

- The maximum duration is three years.
- 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 professor to supervise the research and of the Unit.
- The individual must have adequate proficiency in English, but is 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.

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## 12.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 12.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Bookstore
- Computer Store
- Day Care

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## 12.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines](#) for information on the following:

**The Graduate Diploma**

***section 12.12.1.9: Master of Arts (M.A.) Music: Music Technology (Thesis) (45 credits)***

For more information, see [mcgill.ca/music/programs/ma-music-technology](http://mcgill.ca/music/programs/ma-music-technology).

***section 12.12.1.7: Master of Arts (M.A.) Music: Musicology (Thesis) (45 credits)***

The M.A. in Music; Musicology focuses on the diverse ways in which music's political, social, and historical contexts shape its meanings. Introduction to foundational methodologies, critical thinking skills, and exploration of themes in musicological literature and analytical skills.

Students admitted to the M.A. in Music; Musicology program who have undergraduate degrees other than the B.Mus. 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.

For more information, see [mcgill.ca/music/programs/ma-musicology](http://mcgill.ca/music/programs/ma-musicology).

***section 12.12.1.8: Master of Arts (M.A.) Music Musicology (Thesis): Gender and Women's Studies (45 credits)***

The Master of Arts; 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; Music; Musicology - Gender and Women's Studies program who have undergraduate degrees other than the B.Mus. 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.

For more information, see [mcgill.ca/music/programs/ma-musicology](http://mcgill.ca/music/programs/ma-musicology).

***section 12.12.1.13: Master of Music (M.Mus.) Sound Recording (Non-Thesis) (60 credits)***

The M.Mus.; Sound Recording 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 admitted to the M.Mus. in Sound Recording may be required to successfully complete one or more undergraduate course(s) before the beginning of the Master's

***section 12.12.1.4: Master of Arts (M.A.) Music: Music Education (Non-Thesis) (45 credits),  
section 12.12.1.6: Master of Arts (M.A.) Music: Musicology (Non-Thesis) (45 credits), and  
section 12.12.1.10: Master of Arts (M.A.) Music: Theory (Non-Thesis) (45 credits)***

The M.A. in Music; Non-Thesis - Musicology 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; Non-Thesis - Musicology program who have undergraduate degrees other than the B.Mus. 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.

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. in Theory from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

For more information, see [mcgill.ca/music/admissions/graduate/masters](http://mcgill.ca/music/admissions/graduate/masters).

***section 12.12.1.17: Master of Music (M.Mus.) Performance: Jazz Performance (Thesis) (45 credits)***

The M.Mus. Performance; Jazz program is flexibly designed to offer specialization in Jazz Composition, Jazz Performance, or Jazz Orchestra. All students take courses in 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. in Performance Jazz from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree.

For more information, see [mcgill.ca/music/programs/mmus-jazz](http://mcgill.ca/music/programs/mmus-jazz).

***section 12.12.1.16: Master of Music (M.Mus.) Performance: Early Music (Thesis) (45 credits)***

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. in Early Music Performance from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's program. Students with a B.Mus. Major Early Music Performance degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

For more information, see [mcgill.ca/music/programs/mmus-early-music](http://mcgill.ca/music/programs/mmus-early-music).

***section 12.12.1.19: Master of Music (M.Mus.) Performance: Orchestral Instruments, Guitar (Thesis) (45 credits)***

The M.Mus. Performance; Orchestral Instruments, Guitar program provides instrumentalists and guitarists with the opportunity to hone their artistry and expressive, interpretative 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 ha

***section 12.12.1.21: Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)***

The M.Mus. in Performance; Piano program immerses the pianist in a vibrant musical environment that blends performance training with humanities-based scholarship. 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. 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. in Performance Piano degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

For more information, see [mcgill.ca/music/programs/mmus-piano](http://mcgill.ca/music/programs/mmus-piano).

***section 12.12.1.20: Master of Music (M.Mus.) Performance: Organ (Thesis) (45 credits)***

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. in Performance (Organ) 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) degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

For more information, see [mcgill.ca/music/programs/mmus-organ](http://mcgill.ca/music/programs/mmus-organ).

***section 12.12.1.15: Master of Music (M.Mus.) Performance: Conducting (Thesis) (45 credits)***

The M.Mus. in Performance; Conducting program allows students to specialize in instrumental 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 Introduction to Research Methods in Music, some diction courses, orchestration classes, and a keyboard course before completion of the Master's program.

For more information, see [mcgill.ca/music/programs/mmus-conducting](http://mcgill.ca/music/programs/mmus-conducting).

***section 12.12.1.18: Master of Music (M.Mus.) Performance: Opera and V***

***section 12.12.1.27: Graduate Artist Diploma (Gr. Art. Dip.) Performance (30 credits)***

The Graduate Artist Diploma is the uppermost diploma offered at the Schulich School of Music. It is tailored for artist performers wishing to achieve the highest level of artistry in their craft through intensive coaching, practicing, and performance projects. Candidates are preparing for stage careers as soloists and orchestral musicians, opera singers, collaborative pianists, and chamber ensembles. Program requirements are flexible, with a range of performance project options relevant to the diverse opportunities of the modern artist (chamber, recording, creative collaborations, etc.). Students can be admitted to this year-long program after completing the Graduate Diploma in Performance (GDP) program or equivalent. Admissibility to the combined Graduate Diploma in Performance and Graduate Artist Diploma can be assessed in a single audition.

For more information, see [mcgill.ca/music/programs/adip](http://mcgill.ca/music/programs/adip).

**Doctoral Programs**

***section 12.12.1.22: Doctor of Music (D.Mus.) Music: Composition***

The D.Mus. in Music; Composition offers composition students private instruction with some of Canada's most accomplished composers as well as studies in the field of compositional methods and technologies. The program is a collaborative effort between the Schulich School of Music and the Faculty of Engineering, Computer Science, and Information Technology.

Students admitted to the D.Mus. Music; Composition program who have a master's degree other than the M.Mus. in Composition from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the doctoral program.

For more information, see [mcgill.ca/music/programs/dmus-composition](http://mcgill.ca/music/programs/dmus-composition).

***section 12.12.1.23: Doctor of Music (D.Mus.) Music: Performance Studies***

Students in the D.Mus. program in Performance are at a professional or near-professional level, are curious, and have research interests linked to their artistic practice. A broad range of seminars explore performance practice in the broader humanistic and scientific contexts of music, while encouraging the critical thinking and the fertile exchange of ideas that promote new ways of engaging with music. The artistic research may assume a variety of forms from the study of scores, works, and contextual influences through the analysis of performance itself and the creation of new works.

Students benefit from mentoring by internationally renowned coaches and the research expertise of faculty from the Department of Music Research.

For more information, see [mcgill.ca/music/programs/dmus-performance](http://mcgill.ca/music/programs/dmus-performance).

***section 12.12.1.24: Doctor of Philosophy (Ph.D.) Music (Composition, Music Education, Musicology, Music Technology, Sound Recording, Theory, Interdisciplinary Studies)***

The Ph.D. in Music is offered in six different topic areas: Musicology, Music Theory, Music Technology, Sound Recording, Music Education, and Interdisciplinary Studies.

## Thesis

The thesis is a composition, accompanied by an analytical essay of approximately 20-30 pages.

MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

**Complementary Courses (12 credits)**

6 credits from the following:

MUCO 631	(3)	Seminar in Composition 1
MUCO 632	(3)	Seminar in Composition 2
MUCO 633	(3)	Seminar in Composition 3
MUCO 634	(3)	Seminar in Composition 4
MUCO 635	(3)	Seminar in Composition 5
MUCO 636	(3)	Seminar in Composition 6

6 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music.

**12.12.1.4 Master of Arts (M.A.) Music: Music Education (Non-Thesis) (45 credits)**

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)**

MUGS 614	(3)	Reading Course 1
MUGS 615	(3)	Reading Course 2
MUGT 610	(3)	Seminar - Music Education 1

## Research Project

MUGS 635	(9)	Research Paper 1
MUGS 636	(9)	Research Paper 2

**Complementary Courses (18 credits)**

9 credits from the following:

MUGT 610	(3)	Seminar - Music Education 1
MUGT 611	(3)	Seminar - Music Education 2
MUGT 612	(3)	Seminar - Music Education 3
MUGT 613	(3)	Seminar - Music Education 4

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.



**12.12.1.5 Master of Arts (M.A.) Music: Music Education (Thesis) (45 credits)**

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 Masters 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)**

MUGT 610	(3)	Seminar - Music Education 1
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Thesis Courses:

MUGS 683	(3)	Master's Thesis Research 1
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

**Complementary Courses (18 credits)**

6-9 credits from the following:

MUGT 610	(3)	Seminar - Music Education 1
MUGT 611	(3)	Seminar - Music Education 2
MUGT 612	(3)	Seminar - Music Education 3
MUGT 613	(3)	Seminar - Music Education 4

0-6 credits from the following

MUGS 684 Master's Thesis Research 2 (6 credits)

3-12 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music

**12.12.1.6 Master of Arts (M.A.) Music: Musicology (Non-Thesis) (45 credits)**

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)**

MUGS 614	(3)	Reading Course 1
MUGS 615	(3)	Reading Course 2
MUHL 529	(3)	Proseminar in Musicology

Research Project

MUGS 635	(9)	Research Paper 1
MUGS 636	(9)	Research Paper 2

**Complementary Courses (18 credits)**

12 credits from the following:

MUHL 680	(3)	Seminar in Musicology 1
MUHL 681	(3)	Seminar in Musicology 2
MUHL 682	(3)	Seminar in Musicology 3
MUHL 683	(3)	Seminar in Musicology 4
MUHL 684	(3)	Seminar in Musicology 5
MUHL 685	(3)	Seminar in Musicology 6

6 credits of seminar at the 600 level or higher, approved by the Schulich School of Music.

#### **12.12.1.7 Master of Arts (M.A.) Music: Musicology (Thesis) (45 credits)**

The M.A. in Music; Musicology program focuses on the diverse ways in which music's political, social, and historical contexts shape its meanings. Introduction to foundational methodologies, critical thinking skills and exploration of themes in musicological literature and analytical 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 Masters 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; 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 (24 credits)**

MUHL 529	(3)	Proseminar in Musicology
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Thesis Courses:

MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

#### **Complementary Courses (21 credits)**

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUHL 592	(3)	Popular Music Studies

#### **Complementary Courses**

12 credits from the following:

MUHL 680	(3)	Seminar in Musicology 1
MUHL 681	(3)	Seminar in Musicology 2
MUHL 682	(3)	Seminar in Musicology 3
MUHL 683	(3)	Seminar in Musicology 4
MUHL 684	(3)	Seminar in Musicology 5
MUHL 685	(3)	Seminar in Musicology 6

0-6 credits from the following:

MUGS 684	(6)	Master's Thesis Research 2
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0-6 credits of seminars, at the 600 level or higher, approved by the Schulich School of Music.

**12.12.1.8 Master of Arts (M.A.) Music Musicology (Thesis): Gender and Women's Studies (45 credits)**

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)**

MUHL 529	(3)	Proseminar in Musicology
WMST 601	(3)	Feminist Theories and Methods

**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.

MUGS 683	(3)	Master's Thesis Research 1
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

**Complementary Courses (15 credits)**

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUHL 592	(3)	Popular Music Studies

6 credits from the following:

MUHL 680	(3)	Seminar in Musicology 1
MUHL 681	(3)	Seminar in Musicology 2
MUHL 682	(3)	Seminar in Musicology 3
MUHL 683	(3)	Seminar in Musicology 4
MUHL 684	(3)	Seminar in Musicology 5
MUHL 685	(3)	Seminar in Musicology 6

3 credits of seminars at the 600 level or higher, approved by the Schulich School of Music.

3 credits from the following:

WMST 602	(3)	Feminist Research Symposium
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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.

**12.12.1.9 Master of Arts (M.A.) Music: Music Technology (Thesis) (45 credits)**

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.

MUGS 683	(3)	Master's Thesis Research 1
MUGS 684	(6)	Master's Thesis Research 2
MUGS 685	(9)	Master's Thesis Research 3
MUGS 686	(12)	Master's Thesis Research 4

### **Complementary Courses (15 credits)**

15 credits of graduate seminars at the 500, 600, or 700 level approved by the Schulich School of Music, 9 credits of which must be Music Technology seminars with the prefix MUMT.

### **12.12.1.10 Master of Arts (M.A.) Music: Theory (Non-Thesis) (45 credits)**

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)**

MUGS 614	(3)	Reading Course 1
MUGS 615	(3)	Reading Course 2

Research Project

MUGS 635	(9)	Research Paper 1
MUGS 636	(9)	Research Paper 2

### **Complementary Courses (21 credits)**

12 credits from the following:

(3)	Seminar in Music Theory 1
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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 Masters 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)**

(3) Master's Thesis Research 1

9 credits from the following:

MUTH 652	(3)	Seminar in Music Theory 1
MUTH 653	(3)	Seminar in Music Theory 2
MUTH 654	(3)	Seminar in Music Theory 3
MUTH 655	(3)	Seminar in Music Theory 4
MUTH 656	(3)	Seminar in Music Theory 5
MUTH 657	(3)	Seminar in Music Theory 6

3 credits from the following:

MUTH 658	(3)	History of Music Theory 1
MUTH 659	(3)	History of Music Theory 2

3 credits of:

WMST 602	(3)	Feminist Research Symposium
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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.

#### **12.12.13 Master of Music (M.Mus.) Sound Recording (Non-Thesis) (60 credits)**

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)**

MUSR 629D1	(2)	Technical Ear Training
MUSR 629D2	(2)	Technical Ear Training
MUSR 631D1	(2)	Advanced Technical Ear Training
MUSR 631D2	(2)	Advanced Technical Ear Training
MUSR 667	(3)	Digital Studio Technology
MUSR 668	(3)	Digital/Analog Audio Editing
MUSR 669D1	(1.5)	Topics: Classical Music Recording
MUSR 669D2	(1.5)	Topics: Classical Music Recording
MUSR 670D1	(5)	Recording Theory and Practice 1
MUSR 670D2	(5)	Recording Theory and Practice 1
MUSR 671D1	(5)	Recording Theory and Practice 2
MUSR 671D2	(5)	Recording Theory and Practice 2
MUSR 672D1	(3)	Analysis of Recordings
MUSR 672D2	(3)	Analysis of Recordings
MUSR 677D1	(3)	Audio for Video Post-Production
MUSR 677D2	(3)	Audio for Video Post-Production
MUSR 678	(2)	Advanced Digital Editing and Post-Production
MUSR 691	(3)	Mastering and Restoration
MUSR 692	(3)	Music Production Workshop

**12.12.1.14 Master of Music (M.Mus.) Performance: Collaborative Piano (Thesis) (45 credits)**

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 de

MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

A 3-credit seminar at the 600 level and higher, approved by the Schulich School of Music.

4 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 553	(1)	Vocal Chamber Ensemble
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 569	(1)	Tabla Ensemble
MUEN 579	(1)	Song Interpretation 2
MUEN 580	(1)	Early Music Ensemble
MUEN 584	(1)	Studio Accompanying
MUEN 585	(1)	Sonata Masterclass
MUEN 596	(2)	Opera Repetiteur
MUPG 670*	(2)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2

\* May not be repeated.

#### **12.12.1.15 Master of Music (M.Mus.) Performance: Conducting (Thesis) (45 credits)**

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, some diction courses, orchestration classes and a keyboard course before completion of the Master's program.

#### **Required Courses (30 credits)**

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 580*	(1.5)	Rehearsal Techniques for Conductors

\* 2 terms of MUPG 580

#### **Thesis Courses**

MUIN 630	(3)	Conducting Tutorial 1
MUIN 631	(3)	Conducting Tutorial 2
MUIN 632	(3)	Conducting Tutorial 3
MUPG 600	(9)	Recital Project 1
MUPG 601	(9)	Recital Project 2

#### **Complementary Courses (15 credits)**



3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3 credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

A 3 credit seminar at the 600 level or higher, approved by the Schulich School of Music.

6 credits (3 terms) of:

MUEN 572	(2)	Cappella Antica
MUEN 573	(2)	Baroque Orchestra
MUEN 590	(2)	McGill Wind Orchestra
MUEN 592	(2)	Chamber Jazz Ensemble
MUEN 593	(2)	Choral Ensembles
MUEN 594	(2)	Contemporary Music Ensemble
MUEN 595	(2)	Jazz Ensembles
MUEN 597	(2)	McGill Symphony Orchestra

**12.12.1.16 Master of Music (M.Mus.) Performance: Early Music (Thesis) (45 credits)**

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 under

**Complementary Courses (24 credits)**

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 606***	(3)	Interdisciplinary Project 1
MUPG 607***	(6)	Interdisciplinary Project 2
MUPG 614	(3)	Quick Study

\*\*\* Students may take either MUPG 606 or MUPG 607.

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUPG 575D1	(1.5)	Organ Repertoire and Performance Practice
MUPG 575D2	(1.5)	Organ Repertoire and Performance Practice
MUPG 590*	(3)	Vocal Styles and Conventions
MUPG 691	(3)	Vocal Ornamentation
MUTH 602	(3)	Keyboard Modal Counterpoint

or a 3-credit seminar approved by the Schulich School of Music

\* If not already taken

Students take 6 credits from either Instruments or Voice from the following:

Instruments:

6 credits from the following:

MUEN 569	(1)	Tabla Ensemble
MUEN 572	(2)	Cappella Antica
MUEN 573	(2)	Baroque Orchestra
MUEN 580	(1)	Early Music Ensemble

OR

Voice:

3 credits from the following:

MUIN 610	(1)	Vocal Coaching 1
MUIN 611	(1)	Vocal Coaching 2
MUIN 612	(1)	Vocal Coaching 3

and

3 credits from the following:

MUEN 569	(1)	Tabla Ensemble
MUEN 572	(2)	Cappella Antica
MUEN 579	(1)	Song Interpretation 2
MUEN 580	(1)	Early Music Ensemble
MUEN 593	(2)	Choral Ensembles
MUEN 654	(1)	Opera Repertoire Experience
MUEN 696	(1)	Opera Theatre

#### 12.12.17 Master of Music (M.Mus.) Performance: Jazz Performance (Thesis) (45 credits)

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)

MUJZ 601	(3)	Jazz Pedagogy
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#### Required Thesis Courses (27 credits)

9 credits from:

MUIN 626	(3)	Jazz Performance/Composition Tutorial 1
MUIN 627	(3)	Jazz Performance/Composition Tutorial 2
MUIN 628*	(3)	Jazz Performance/Composition Tutorial 3
MUIN 628D1*	(1.5)	Jazz Performance/Composition Tutorial 3
MUIN 628D2*	(1.5)	Jazz Performance/Composition Tutorial 3

\* Students may take MUIN 628 or MUIN 628D1 and MUIN 628D2.

18 credits from one of the following:

Jazz Performance:

MUPG 651	(9)	Performance/Composition Recital Project
MUPG 659	(9)	Performance in Recording Media

OR

Jazz Composition and Arranging

MUPG 652	(9)	Jazz Ensemble Recital Project
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MUPG 659 (9) Performance in Recording Media

OR

Jazz Orchestra:

MUPG 651 (9) Performance/Composition Recital Project

MUPG 652 (9) Jazz Ensemble Recital Project

Students with a B.Mus.; Major in Performance Voice degree from McGill University may be required to successfully complete MUPD 560 before completion of the Master's program.

### Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUIN 610	(1)	Vocal Coaching 1
MUIN 611	(1)	Vocal Coaching 2
MUIN 612	(1)	Vocal Coaching 3

Thesis Courses:

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2*	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

\* Students can take MUIN 622 or MUIN 622D1 and MUIN 622D2.

### Complementary Courses (24 credits)

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 606	(3)	Interdisciplinary Project 1
MUPG 614	(3)	Quick Study

3 credits from the following:

MUPG 590	(3)	Vocal Styles and Conventions
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher, with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

3 credits from the following:

MUPG 590*	(3)	Vocal Styles and Conventions
MUPG 691	(3)	Vocal Ornamentation

\* If not already taken.

6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 553	(1)	Vocal Chamber Ensemble
	(1)	Chamber Music Ensemble

MUPG 610 (9) Orchestral Repertoire Examination 3

\* May take MUPG 606 or MUPG 607

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

A 3-credit seminar at the 600 level or higher, approved by the Schulich School of Music.

Students take 9 credits from either Guitar or Orchestral Instruments courses from the following:

Guitar:

3 credits (three terms) of:

MUEN 562	(1)	Guitar Ensemble
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3-6 credits from the following:

MUEN 540*	(.5)	Chamber Music Project 1
MUEN 541*	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 569	(1)	Tabla Ensemble
MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1*	(.5)	Free Improvisation 2
MUPG 572D2*	(.5)	Free Improvisation 2

\* May be taken only once.

0-3 credits of seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

OR

Orchestral Instruments:

6 credits (three terms) from the following:

MUEN 573	(2)	Baroque Orchestra
MUEN 590	(2)	McGill Wind Orchestra
MUEN 594	(2)	Contemporary Music Ensemble
MUEN 597	(2)	McGill Symphony Orchestra

And 3 credits from either Strings, Winds and Brass, or Percussion, or Harp:

## Strings, Winds and Brass:

2 credits (two terms) from the following:

MUEN 560	(1)	Chamber Music Ensemble
MUEN 591	(1)	Brass Consort

1 credit from the following:

MUEN 540*	(.5)	Chamber Music Project 1
MUEN 541*	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 569	(1)	Tabla Ensemble
MUEN 585	(1)	Sonata Masterclass
MUEN 591	(1)	Brass Consort
MUEN 599	(1)	Jazz Studio Orchestra
MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1*	(.5)	Free Improvisation 2
MUPG 572D2*	(.5)	Free Improvisation 2

## Percussion:

1 credit of:

MUEN 598	(1)	Percussion Ensembles
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2 credits from the following:

MUEN 540*	(.5)	Chamber Music Project 1
MUEN 541*	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 569	(1)	Tabla Ensemble
MUEN 598	(1)	Percussion Ensembles
MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1*	(.5)	Free Improvisation 2
MUPG 572D2*	(.5)	Free Improvisation 2

## Harp:

3 credits from the following:

MUEN 540*	(.5)	Chamber Music Project 1
MUEN 541*	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble



MUEN 568	(1)	Multiple Ensemble 1
MUEN 569	(1)	Tabla Ensemble
MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1*	(.5)	Free Improvisation 2
MUPG 572D2*	(.5)	Free Improvisation 2

\* May be taken only once.

### 12.12.1.20 Master of Music (M.Mus.) Performance: Organ (Thesis) (45 credits)

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 before completion of the Master's program.

#### Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 575D1	(1.5)	Organ Repertoire and Performance Practice
MUPG 575D2	(1.5)	Organ Repertoire and Performance Practice

#### Thesis Courses

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2*	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

\* Students can take MUIN 622 or MUIN 622D1 and MUIN 622D2.

#### Complementary Courses (24 credits)

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 606	(3)	Interdisciplinary Project 1
MUPG 607	(6)	Interdisciplinary Project 2
MUPG 676	(9)	Special Project in Church Music

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4

MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP, or MUTH.

3 credits from the following:

MUHL 591D1	(1.5)	Paleography
MUHL 591D2	(1.5)	Paleography
MUTH 602	(3)	Keyboard Modal Counterpoint
MUTH 604	(3)	Keyboard Tonal Counterpoint

or a 3-credit seminar at the 600 level or higher, approved by the Schulich School of Music.

6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560*	(1)	Chamber Music Ensemble
MUEN 561*	(1)	2nd Chamber Music Ensemble
MUEN 569*	(1)	Tabla Ensemble
MUEN 573*	(2)	Baroque Orchestra
MUEN 580*	(1)	Early Music Ensemble
MUEN 593*	(2)	Choral Ensembles
MUEN 594*	(2)	Contemporary Music Ensemble
MUEN 597*	(2)	McGill Symphony Orchestra
MUHL 591D1**	(1.5)	Paleography
MUHL 591D2**	(1.5)	Paleography
MUPG 575D1*	(1.5)	Organ Repertoire and Performance Practice
MUPG 575D2*	(1.5)	Organ Repertoire and Performance Practice
MUTH 602**	(3)	Keyboard Modal Counterpoint
MUTH 604**	(3)	Keyboard Tonal Counterpoint

\* May be taken more than once.

\*\* If not taken as a seminar

#### 12.12.1.21 Master of Music (M.Mus.) Performance: Piano (Thesis) (45 credits)

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 before completion of the Master's program.

#### Required Courses (21 credits)

MUGS 605	(0)	Graduate Performance Colloquium
MUPG 683	(1.5)	Piano Seminar 1
MUPG 684	(1.5)	Piano Seminar 2

## Thesis Courses

MUIN 620	(3)	Performance Tutorial 1
MUIN 621	(3)	Performance Tutorial 2
MUIN 622*	(3)	Performance Tutorial 3
MUIN 622D1*	(1.5)	Performance Tutorial 3
MUIN 622D2	(1.5)	Performance Tutorial 3
MUPG 600	(9)	Recital Project 1

\* Students may take MUIN 622 or MUIN 622D1 and MUIN 622D2

**Complementary Courses**

9 credits from the following:

MUPG 601	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 603	(3)	Recital Project 4
MUPG 604	(6)	Chamber Music Recital
MUPG 606*	(3)	Interdisciplinary Project 1
MUPG 607*	(6)	Interdisciplinary Project 2

\* Students may take either MUPG 606 or MUPG 607.

3 credits from the following:

MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

A 3-credit seminar at the 600 level or higher with the prefix MUCO, MUGS, MUGT, MUHL, MUMT, MUPP or MUTH.

A 3-credit seminar at the 600 level or higher, approved by the Schulich School of Music.

6 credits from the following:

MUEN 540	(.5)	Chamber Music Project 1
MUEN 541	(.5)	Chamber Music Project 2
MUEN 560	(1)	Chamber Music Ensemble
MUEN 561	(1)	2nd Chamber Music Ensemble
MUEN 568	(1)	Multiple Ensemble 1
MUEN 569	(1)	Tabla Ensemble
MUEN 578	(1)	Song Interpretation 1
MUEN 579	(1)	Song Interpretation 2
MUEN 582	(1)	Piano Ensembles
MUEN 584	(1)	Studio Accompanying

MUEN 585	(1)	Sonata Masterclass
MUEN 588	(1)	Multiple Ensemble 2
MUEN 590	(2)	McGill Wind Orchestra
MUEN 594	(2)	Contemporary Music Ensemble
MUEN 597	(2)	McGill Symphony Orchestra
MUEN 688	(2)	Multiple Ensembles
MUPD 580*	(2)	Piano Pedagogy Practicum
MUPG 571*	(1)	Free Improvisation 1
MUPG 572D1*	(.5)	Free Improvisation 2
MUPG 572D2*	(.5)	Free Improvisation 2
MUPG 670*	(2)	Advanced Continuo 1
MUPG 670D1	(1)	Advanced Continuo 1
MUPG 670D2	(1)	Advanced Continuo 1
MUPG 671*	(2)	Advanced Continuo 2
MUPG 671D1	(1)	Advanced Continuo 2
MUPG 671D2	(1)	Advanced Continuo 2
MUPG 687*	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688*	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689*	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

\* May be taken only once.

#### **12.12.1.22 Doctor of Music (D.Mus.) Music: Composition**

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 Univ



**Doctor of Philosophy (Ph.D**

MUCO 722D1	(3)	Doctoral Composition Tutorial
MUCO 722D2	(3)	Doctoral Composition Tutorial

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:

MUCO 710	(0)	General Examinations
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Sound Recording students only:

MUSR 690	(3)	Special Field Research
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Music Theory students only:

MUTH 710	(0)	Teaching Practicum
MUTH 711	(0)	General Examinations

### **12.12.1.25 Doctor of Philosophy (Ph.D.) Music: Gender and Women's Studies**

This program is open to doctoral students who are interested in cross-disciplinary research that focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies. 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**

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>.

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**

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)**

MUGS 701	(0)	Comprehensive Examinations
MUGS 705	(0)	Colloquium
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

#### **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:

MUTH 710	(0)	Teaching Practicum
MUTH 711	(0)	General Examinations

#### **12.12.1.26 Graduate Diploma (Gr. Dip.) Performance (30 credits)**

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)**



MUPG 671\*\*(2)

(2)

Advanced Continuo 2



Early Music

MUPG 670**	(2)	Advanced Continuo 1
MUPG 671**	(2)	Advanced Continuo 2

\*\* if not already taken

**12.12.1.28 Post-Graduate Artist Diploma (Performance and Artist Diploma) Performance (30 credits)**

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)**

MUIN 715	(8)	Post-graduate Artist Diploma Tutorial 1
MUIN 716	(8)	Post-graduate Artist Diploma Tutorial 2

**Complementary Courses (14 credits)**

8 credits from the following:

MUPG 750	(4)	Post-graduate Artist Diploma Performance Project 1
MUPG 751	(4)	Post-graduate Artist Diploma Performance Project 2
MUPG 752D1	(4)	Post-graduate Artist Diploma Performance Project 3
MUPG 752D2	(4)	Post-graduate Artist Diploma Performance Project 3
MUPG 753	(4)	Post-graduate Artist Diploma Interdisciplinary Project
MUPG 754	(4)	Post-graduate Artist Diploma Concerto Performance

0-3 credits from:

MUSR 692	(3)	Music Production
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\*Needed of all instruments except Voice.

3-6 credits from the following:

Performance courses with Schulich School of Music approval from the

3-6 credits from any ensemble courses with the prefix MUEN at the 500

MUPG 571	(1)	Free Improvisation 1
MUPG 572D1	(.5)	Free Improvisation 2
MUPG 572D2	(.5)	Free Improvisation 2

and the additional courses from the following list:

**Voice**

MUIN 610	(1)	Vocal Coaching 1
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MUPG 670**	(2)	Advanced Continuo 1
MUPG 671**	(2)	Advanced Continuo 2
MUPG 687***	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688***	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689***	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

\*\* if not already taken

\*\*\* may be repeated with permission of the instructor

### Chamber Music

MUIN 500	(1)	Practical Instruction 1
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### Organ

MUPG 575D1	(1.5)	Organ Repertoire and Performance Practice
MUPG 575D2	(1.5)	Organ Repertoire and Performance Practice
MUPG 670**	(2)	Advanced Continuo 1
MUPG 671**	(2)	Advanced Continuo 2

One 3-credit seminar at the 500 or 600 level approved by the Department.

\*\* if not already taken

### Early Music

MUPG 670**	(2)	Advanced Continuo 1
MUPG 671**	(2)	Advanced Continuo 2

\*\* if not already taken

### 12.12.1.29 Graduate Certificate (Gr. Cert.) Performance Choral Conducting (15 credits)

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)

MUIN 637	(3)	Graduate Certificate Conducting Tutorial 1
MUPD 560	(1)	Music Information and Research Skills
MUPG 648	(4)	Graduate Certificate Conducting Project

#### Complementary Courses (7 credits)

4 credits from the following:

MUEN 563	(2)	Jazz Vocal Workshop
MUEN 572	(2)	Cappella Antica
MUEN 593	(2)	Choral Ensembles

3 credits from the following:

MUIN 638	(3)	Graduate Certificate Conducting Tutorial 2
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MUPG 580*	(1.5)	Rehearsal Techniques for Conductors
MUPG 677	(3)	Seminar in Performance Topics 1
MUPG 678	(3)	Seminar in Performance Topics 2
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3
MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

\* If this course is chosen, it must be taken for two terms (for 3 credits).

### 12.12.1.30 Schulich School of Music Admission Requirements and Application Procedures

#### 12.12.1.30.1 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, voice, 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 [mcgill.ca/music/programs](http://mcgill.ca/music/programs).

Specific admission and document requirements for each program are outlined at [mcgill.ca/music/admissions/graduate/masters](http://mcgill.ca/music/admissions/graduate/masters).

##### 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 [mcgill.ca/music/programs/cert-performance-choral-conducting/admissions/auditions](http://mcgill.ca/music/programs/cert-performance-choral-conducting/admissions/auditions).

Specific admission and document requirements for each program are outlined at [mcgill.ca/music/programs/cert-performance-choral-conducting/admissions/apply](http://mcgill.ca/music/programs/cert-performance-choral-conducting/admissions/apply).

##### 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. Voice and 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 [mcgill.ca/music/admissions/graduate/diploma](http://mcgill.ca/music/admissions/graduate/diploma). Specific admission and document requirements for each program are outlined at [mcgill.ca/music/admissions/graduate](http://mcgill.ca/music/admissions/graduate).

##### Graduate Artist Diploma

Applicants for the Graduate Artist Diploma must hold a M.Mus., D.Mus., or Graduate Performance Diploma with a Major in music, including considerable work in the area of specialization. Applicants who hold a B.Mus. can apply to enter the two-year Artist Diploma, where they will complete one year in the Graduate Diploma in Performance and continue in the Artist Diploma in year two. All diploma applicants are required to pass an audition. Applicants can attend a live audition or submit recorded material. Voice 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 [mcgill.ca/music/admissions/graduate/diploma](http://mcgill.ca/music/admissions/graduate/diploma). Specific admission and document requirements for each program are outlined at [mcgill.ca/music/admissions/graduate](http://mcgill.ca/music/admissions/graduate).

##### 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 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 <https://mcgill.ca/gradapplicants/international/proficiency>

### **12121302 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 & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures. Please also consult [mcgill.ca/music/admissions/graduate](https://mcgill.ca/music/admissions/graduate) for detailed application procedures and document requirements.

#### **121213021 Additional Requirements**

The items and clarifications below are additional requirements set by this department:

- \$75.42 audition fee for Performance degrees and diplomas.

### **12121303 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/gps/contact/graduate-program](https://mcgill.ca/gps/contact/graduate-program).

Information on application deadlines is available at [mcgill.ca/gradapplicants/how-apply/application-steps/application-deadlines](https://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.

### **12.12.1.31 Schulich School of Music Faculty**

#### **Dean, Schulich School of Music**

TBA

#### **Associate Dean, Graduate Studies**

Lisa Barg

#### **Chairs**

TBA – Department of Performance

Gary Scavone – Department of Music Research

#### **Associate Dean (Research and Administration)**

TBA

#### **Associate Dean (Academic and Student Affairs)**

Andrea Creech

#### **Professors**

David Brackett; William Caplin; Brian Cherney; Creech, Andrea; Julie Cumming; Kevin Dean; Ichiro Fujinaga; Kyoko Hashimoto; John Hollenbeck; Steven Huebner; Stéphane Lemelin; Stephen McAdams; Brenda Ravenscroft; Gary Scavone; Peter Schubert; Marcelo Wanderley; Marcelo Wanderley; Lloyd

### Assistant Professors

Dorian Bandy; James Box; Jinjoo Cho; Russell DeVuyst; Elizabeth Dolin; Jean Gaudreault; Darrell Green; Joanne Kolomyjec; Stéphane Lévesque; John Mac Master; Richard Roberts; Jennifer Swartz; Camille Thurman; Matthew Treviño.

### Adjunct Professors

Daniel Beaman; Tom Bohlin; Bob Brasch; Richard Chaffin; Steven Stein; Jean-Pierre Axé; Axel Mulder; Marc-Pierre Verge; Jérémie Voix.

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## 13 Ingram School of Nursing

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### 13.1 Dean's Welcome

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies*

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### 13.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](http://mcgill.ca/importantdates).

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### 13.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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### 13.5 Program Requirements

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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### 13.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.4: Graduate Admissions and Application Procedures](#) 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.

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### 13.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fello



## 1. Definition and Status

- i. 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 [section 1.2.8: leave of absence](#) for parental or health reasons may extend the eligibility period. Leaves for other reasons, including vacation, do not impact the eligibility period.
- ii. 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.
- iii. 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

- i. 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](#).
- ii. Upon registration, postdocs will be eligible for a University identity card issued by Enrolment Services.
- iii. Leaves of absence must comply with the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health Leave (see [section 2.8.3: Vacation Policy for Graduate Students and Postdocs](#) and [University Regulations & Resources](#) > Graduate > Regulations > Categories of Students > [section 1.2.8: Leave of Absence Status](#)).

## 3. Appointment, Funding, Letter of Agreement

- i. Postdoctoral appointments may not exceed the registration eligibility period as defined above.
- ii. 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.
- iii. Postdocs require a [Letter of Agreement for Postdoctoral Education](#) signed by the postdoc, the supervisor, and the department/unit head or delegate.
- iv. 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.
- v. The amount of research, teaching, or other tasks that postdocs engage in over and above postdoctoral activities should conform to the regulations for postdocs specified by the Canadian research council of their discipline or the collective agreement. This applies to all postdocs, including those whose funding does not come from the Canadian research councils.

## 4. Privileges

- i. Postdocs have the same pertinent rights as the ones granted to McGill students under [mcgill.ca/students/srr](#), and those granted by the policies listed at [mcgill.ca/secretariat/policies-and-regulations](#).
- ii. Postdocs hav

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**Category 1:** An individual who has completed requirements for the Doctoral degree or 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.

**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 from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. 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 Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

### General Conditions

- The maximum duration is three years.
- 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 professor to supervise the research and of the Unit.
- The individual must have adequate proficiency in English, but is 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.

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## 13.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 13.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Omb

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## 13.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human Participants
- Policy on the Study and Care of Animals
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 13.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2023–2024 session as listed.

### 13.12.1 Nursing

#### 13.12.1.1 Location

Ingram School of Nursing  
680 Sherbrooke West, Suite 1800  
Montreal QC H3A 2M7 Canada  
Telephone: 514-398-4151  
Fax: 514-398-8455  
Website: [mcgill.ca/nursing](http://mcgill.ca/nursing)

#### 13.12.1.2 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 TwIstaf



*section 13.12.1.12: Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatal*

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.



characteristics. Some of these characteristics include professionalism, empathy, compassion and cultural sensitivity. Since CASPer™ assesses no-cognitive and interpersonal characteristics, studying is not required.

For more information please review [mcgill.ca/nursing/apply](http://mcgill.ca/nursing/apply).

### **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](http://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.



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 on a scale of 4.0 or a B+ standing.

The School considers admissions to the doctoral program for the Fall and Winter terms.

### **13.12.1.3.2 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 adviser* 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 [mcgill.ca/nursing/students/student-portal/clinical](http://mcgill.ca/nursing/students/student-portal/clinical) for further details. A table of these requirements and respective deadline dates is outlined on this page. Then, log in to the student portal to the site where you can upload your documents is also on this page.

#### **University Success Workshop Series**

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 at [mcgill.ca/firstyear/graduate-postdoctoral/resources-success](http://mcgill.ca/firstyear/graduate-postdoctoral/resources-success). Further information on services available to students is available at *University Regulations & Resources* > Graduate > Student Services and Information > *section 1.7.3: Student Services – Downtown Campus*.

#### **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 Uni



**Master's (DE & QY) Program Director, Ingram School of Nursing**

Maria Di Feo

**Nurse Practitioner (NP) Program Director, Ingram School of Nursing**

Irene Sarasua

**Ph.D. Program Director, Ingram School of Nursing**

Sonia Semenic

**Emeritus Professors**

Susan E. French; C. Céleste Johnston; Judith Ann Ritchie

**Professors**

Franco Carnevale; Anita J. Gagnon; Laurie N. Gottlieb; Carmen G. Loiselle

**Associate Professors**

Antonia Arnaert; Madeleine M. Buck; Susan Drouin; Céline Gélinas; Kelley Kilpatrick; Sylvie Lambert; Christine Maheu; Margaret Purden; Sonia Semenic; Argerie Tsimicalis

**Assistant Professors**

Rosetta Antonacci; Josée Bonneau; Annie Chevrier; Françoise Filion; Heather D. Hart; Caroline Marchionni; Marjorie Montreuil; Norma Ponzoni; Lia Sanzone; Irene Sarasua; Jodi Tuck; Andraea Van Hulst

**Faculty Lecturers**

Cheryl Armistead; Amanda Cervantes; Stephanie Charbonneau; Diana Gausden; Melanie Gauthier; Marie-Claude Goyer; Oxana Kapoustina; Philippe Lamer; Giuseppina LaRiccia; Catherine Leblanc; Katherine Logue; Linda Massé; Shannon McNamara; Catherine-Anne Miller; Martyna Rembisz

**Academic Associates**

Hugo Marchand; Elizabeth Marie Claire Murphy-Lavallée; Louise Murray; Amélie Samson; Rosanna Zappavigna

**13.12.14.1 Clinical and Affiliated Faculty Members****Professor**

Susan E. French

**Associate Professors**

Lynne McVey; Janet Rennick; Edith Zorychta

**Assistant Professors**

Alain Biron; Madeleine Boulay-Bolduc; Mark Daly; Linda Edgar; Jessica Emed; Lucia Fabijan; Valerie Frunchak; Mary Grossman; Andrea Laizner; Ariella Lang; Virginia Lee; Diane E. Lowden; Ann Lynch; Anita Mehta; Michelle Nadon; Patricia O'Connor; Hélène Racine; Marie-Claire Richer; Christina Rosmus; Andreeanne Saucier; Charles Sounan

**Faculty Lecturers**

Deborah Abner; Nathalie Aubin; Sophie Baillargeon; Denise Bédard; Jacqueline Bocking; Johanne Boileau; Linda P. Boisvert; Diane Borisov; Rose Boyle; Sandra Bradford-Macalanda; Diane Brault; Sharon Brissette; Carolyn Brown; Susan Marie Buddo; Sonia Castiglione; Sophie Charland; Luisa Ciofani; Christina Clausen; Martine Claveau; Erin Lillian Cook; Hermes Cornejo; Joann Creager; Esther Dajczman; Julie Dallaire; Rose Deangelis; Rosalie Dion; Nancy Drummond; Julie Fréchette; Maryse Godin; Iris Gourdji; Cynthia Graham-Certosini; Maria Hamakiotis; Norine M. Heywood; Tara Jesion; Rosalie Johnson; John Kayser; Mina Ladores; Philippe Lamer; Anne Marie Lanctôt; Karine Lepage; Rachel Lomas; Luisa Luciani Castiglia; Althea Hazel McBean; Sharon Mooney; Louise Murray; Catherine Oliver; France Paquet; Maxime Paquet; Joanne Marie Power; Andréanne Robitaille; Nathalie Rodrigue; Ramona Rodrigues; Patricia Ann Rose; Irene Sarasua; Maryse Savoie; Eleanor Scharf; Melanie Sheridan; Jessica Sherman; Marie Jennifer Somera; Rosa Sourial; Isabelle St-Sauveur; Janice Karen Stephenson; Lucie Tardif176.6.165son; Lucie da1 F1 8.1 Tf (ddbte; C6 527.64 Tm (3r; 444nice Karen Stlyc. 1 F1 8.1 Tf90

### Associate Members

Rhonda Amsel; S. Robin Cohen; Jae-Marie Ferdinand; Richard Gosselin; Ronald D. Gottesman; John C. Kirk

### Affiliate Members

Joyce Marie Arsenault; Theresa Broda; Patrick Casey; Stephanie Charron; Nadia Andrée Doiron; Meggie Guinan; Tiffany Johnston; Donna Kindrat; Caroline Martel; Colette Masclé; Trisha Andrea Nonog; Caroline Normand; Emily Chang Orlov; Royal Orr; Brigitte Perrier; Lisa Marie Pichocvich; Grzegorz Sobieraj; Chantal Souigny; Karinne Troini; Chantale Viens; Barbara Ann Taugher; Teresa Testa

### 13.12.14.2 McGill Teaching Hospital Network

List of Current Partnerships by governing organization:

#### McGill University Health Centre (MUHC)

[muhc.ca/](http://muhc.ca/)

CIUSSS de l'Ouest-de-l'0 0 1 4.647 m67.52 r2bhrGBTn(leOuesMoth Cent'0 0 1 4.64r)Tj1 0 22872370.52 560.62 m07.52 r2bhrGBTn(alUHC))Tj0 0 1 rg0 0 1 R

NUR2 600	(3)	Knowledge Translation in Healthcare
NUR2 603	(3)	Teaching and Learning in Nursing
NUR2 605	(3)	Advanced Clinical Reasoning
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice

### Complementary Courses (18 credits)

9-12 credits from one of the following streams:

Knowledge Translation Stream:

9 credits from the following project-based courses:

NUR2 601	(6)	Applied Knowledge Translation in Healthcare 1
NUR2 602	(3)	Applied Knowledge Translation in Healthcare 2

Research Stream:

12 credits from the following project-based courses:

NUR2 630	(3)	Research Project 1
NUR2 631	(6)	Research Project 2
NUR2 632	(3)	Research Project 3

3-6 credits from the following clinical courses:

NUR2 622	(3)	Nursing Education Internship
NUR3 628	(3)	Advanced Practice Nursing Internship

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.

#### 13.12.1.6 Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Global Health (48 credits)

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)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 516	(3)	Perspectives on Global Health
NUR2 600	(3)	Knowledge Translation in Healthcare
NUR2 606	(3)	Clinical Reasoning in a Global Context

NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 626	(3)	Professional Issues in Nursing
NUR2 630	(3)	Research Project 1
NUR2 631	(6)	Research Project 2
NUR2 632	(3)	Research Project 3
NUR2 636	(3)	Global Health Nursing Internship
NUR2 642	(3)	Ethics in Advanced Practice

**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.

**13.12.1.7 Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Nursing Services Administration (48 credits)**

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)**

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 600	(3)	Knowledge Translation in Healthcare
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR3 624	(3)	Nursing Services Administration Internship

**Complementary Courses (21 credits)**

3 credits at the 500-level or higher in the area of Health Equity to be approved by an Academic Adviser.

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:

NUR2 601	(6)	Applied Knowledge Translation in Healthcare 1
NUR2 602	(3)	Applied Knowledge Translation in Healthcare 2

Research stream:

NUR2 630	(3)	Research Project 1
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NUR2 631	(6)	Research Project 2
NUR2 632	(3)	Research Project 3

**13.12.1.9 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Global Health (58 credits)**

The M.Sc.(Applied) in Nursing; Non-Thesis - Global Health concentration focuses on the challenges of working with div



NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 648	(6)	Advanced Adult Health Assessment
NUR2 657	(13)	Adult Care Internship 1
NUR2 689	(2)	Clinical Seminar

### 13.12.1.11 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Mental Health (45 credits)

\*\* 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 (45 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 647	(3)	Pharmacology for Mental Health Nurse Practitioners
NUR2 655	(8)	Mental Health Internship 1
NUR2 690	(3)	Reasoning in Mental Health 1
NUR2 694	(4)	Reasoning in Mental Health 5

### 13.12.1.12 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatal (45 credits)

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 (45 credits)

NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 644	(3)	Pharmacology for Neonatal Nurse Practitioners
NUR2 660	(3)	Reasoning in Neonatal Practice 1
NUR2 661	(6)	Reasoning in Neonatal Practice 2
NUR2 662	(3)	Neonatal Health Assessment
NUR2 663	(6)	Reasoning in Neonatal Practice 3
NUR2 664	(3)	Evidence in Neonatal Practice

**13.12.1.13 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Pediatrics (45 credits)**

\*\* New Program. This program replaces the (M.Sc.A.) Nursing (Non-Thesis): Pediatric Nurse Practitioner. \*\*

This program aims to train graduate-level nurses to take on an advanced practice role. Pediatric 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. The Pediatric concentration focuses on a secondary and tertiary of the pediatric population.

**Required Courses (45 credits)**

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 626	(3)	Professional Issues in Nursing
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 645	(3)	Pharmacology for Pediatric Nurse Practitioners
NUR2 680	(3)	Reasoning in Pediatrics 1
NUR2 681	(3)	Reasoning in Pediatrics 2
NUR2 682	(4)	Reasoning in Pediatrics 3
NUR2 683	(4)	Reasoning in Pediatrics 4
NUR2 684	(4)	Reasoning in Pediatrics 5

**13.12.1.14 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Primary Care (45 credits)**

\*\* 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 (45 credits)**

NUR2 608	(3)	Seminar in Nursing
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 613	(4)	Reasoning in Primary Care Practice 1
NUR2 614	(3)	Reasoning in Primary Care Practice 2
NUR2 617	(3)	Clinical in Family Systems Nursing 1
NUR2 618	(3)	Clinical in Family Systems Nursing 2
NUR2 639	(8)	Reasoning in Primary Care Practice 3
NUR2 641	(6)	Reasoning in Primary Care Practice 4
NUR2 642	(3)	Ethics in Advanced Practice
NUR2 667	(3)	Health and Physical Assessment in Primary Care 1
NUR2 668	(3)	Health and Physical Assessment in Primary Care 2

**13.12.1.15 Graduate Certificate (Gr. Cert.) Adult Care Nurse Practitioner (21 credits)**

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 b

NUR2 639	(8)	Reasoning in Primary Care Practice 3
NUR2 641	(6)	Reasoning in Primary Care Practice 4
NUR2 667	(3)	Health and Physical Assessment in Primary Care 1
NUR2 668	(3)	Health and Physical Assessment in Primary Care 2

**13.12.1.19 Graduate Certificate (Gr. Cert.) Theory in Pediatrics (15 credits)**

The Graduate Certificate in Theory in Pediatrics prepares students to acquire the theoretical knowledge required to subsequently complete clinical courses in the Graduate Di2 639



NUR2 730

(3)

Theory Development in Nursing

**Complementary Courses (9 credits)**

9 credits of courses at the 500 level or higher chosen in consultation with the thesis supervisor.

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**14 School of Physical and Occupational Therapy**

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#### **14.4 Graduate Studies at a Glance**

Please refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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#### **14.5 Program Requirements**

Refer to [University Regulations & Resources](#) > [Graduate](#) > [Regulations](#) > [section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's De

ii. 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.

iii. 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**

i. Postdocs must *re*



- 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.

v. 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.

vi. 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/students/srr](http://mcgill.ca/students/srr), and the Graduate and Postdoctoral Studies [University Regulations and Resources](#);
- to submit a complete file for registration 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.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

### 14.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

### 14.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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 in [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#).

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 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) under "Leave Policies and Form."

### 14.8.5 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 the Doctoral degree or 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.

**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 from a recognized Canadian funding agency.

**Category 3:** An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession) and is enrolled in a program of postgraduate medical education at another institution. 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 Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

#### General Conditions

- The maximum duration is three years.
- 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 professor to supervise the research and of the Unit.
- The individual must have adequate proficiency in English, but is 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.

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## 14.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > *Graduate* > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 14.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Bookstore
- Computer Store
- Day Care

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#### 14.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Re

Ottawa ON K2C 3V4  
Telephone: 613-564-5454; 1-800-387-8679 (toll free)  
Fax: 613-564-1577  
Email: [information@physiotherapy.ca](mailto:information@physiotherapy.ca)  
Website: [physiotherapy.ca](http://physiotherapy.ca)

Canadian Alliance of Physiotherapy Regulators  
1243 Islington Avenue, Suite 501  
Toronto ON M8X 1Y9  
Telephone: 416-234-8800  
Fax: 416-234-8820  
Website: [alliancept.org](http://alliancept.org)

#### Quebec Provincial Offices

Ordre des ergothérapeutes du Québec  
2021 avenue Union, bureau 920  
Montreal QC H3A 2S9  
Telephone: 514-844-5778; 1-800-265-5778 (toll free)  
Fax: 514-844-0478  
Email: [ergo@oeq.org](mailto:ergo@oeq.org)  
Website: [oeq.org](http://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)  
Fax: 514-351-2658  
Email: [physio@oppq.qc.ca](mailto:physio@oppq.qc.ca)  
Website: [oppq.qc.ca](http://oppq.qc.ca)

#### International Offices

Please check websites of individual countries and states for specific licensing requirements.

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### 14.13 Student Evaluation and Promotion

#### 14.13.1 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.)

Entry to professional practice requires the completion of an M.Sc.A.OT. or M.Sc.A.PT. Therefore, students who graduate from the Bachelor of Science in Rehabilitation (OT or PT) must continue to the MSc(A) OT or MSc(A) PT to obtain entry to 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 at [School of Physical & Occupational Therapy > Occupational Therapy Program > Master of Science \(Applied\) in Occupational Therapy](#) and [School of Physical & Occupational Therapy > Physical Therapy Program > Master of Science \(Applied\) in Physical Therapy](#).

Entry to the MSc(A) OT or MSc(A) PT 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: (i) the student has had 3 or more documented performance deficiencies (flags), with or without probationary status; or (ii) 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 [School of Physical & Occupational Therapy > Graduate & Postdoctoral Studies](#) section. For complete admissions information, refer to [mcgill.ca/spot/programs/admissions](http://mcgill.ca/spot/programs/admissions).

#### Student Evaluation and Promotion MSc(A) OT and MSc(A) PT

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 relating 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:

[mcgill.ca/spot/](http://mcgill.ca/spot/) > *Physical Therapy Program* > [mcgill.ca/spot/programs/pt/professional-masters](http://mcgill.ca/spot/programs/pt/professional-masters) or > *Occupational Therapy Program* > [mcgill.ca/spot/programs/ot/master-science-applied-occupational-therapy](http://mcgill.ca/spot/programs/ot/master-science-applied-occupational-therapy).

- Important Information for Students
- Rules and Regulations
- Curriculum
- Code of Conduct
- Essential Skills and Attributes
- Process-McGill's Office for Student Accessibility & 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 in the corresponding M.Sc.A. degree. They must successfully complete all courses in the respective MSc(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 av

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.

### **14.13.2 Examinations**

#### **General Information**

Please refer to the [mcgill.ca/secretariat/files/secretariat/2016-04\\_student\\_assessment\\_policy.pdf](http://mcgill.ca/secretariat/files/secretariat/2016-04_student_assessment_policy.pdf) 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 [Graduate and Postdoctoral Studies](#) > [Graduate Students](#) > [Registration and Degree Progress](#) > [Exams](#), and to [section 1.2.2](#)

## Directors

Email: [profmasters.spot@mcgill.ca](mailto:profmasters.spot@mcgill.ca)

*Associate Program Director, Physical Therapy* – Richard Preuss

Email: [profmasters.spot@mcgill.ca](mailto:profmasters.spot@mcgill.ca)

*Program Director, Occupational Therapy* – Sara Saunders

Email: [profmasters.spot@mcgill.ca](mailto:profmasters.spot@mcgill.ca)

*Associate Program Director, Occupational Therapy* – Susanne Mak

Email: [profmasters.spot@mcgill.ca](mailto:profmasters.spot@mcgill.ca)

*Graduate Programs Director* – Isabelle Gélinas

Email: [graduate.rehabilitation@mcgill.ca](mailto:graduate.rehabilitation@mcgill.ca)

*Graduate Programs Associate Director* – Anouk Lamontagne

Email: [graduate.rehabilitation@mcgill.ca](mailto:graduate.rehabilitation@mcgill.ca)

### 14.14.1.2 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 **doctorate** programs in three areas:

- Occupational Therapy
- Physical Therapy
- Rehabilitation Sciences

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.

#### *section 14.14.1.6: Master of Science (M.Sc.) Rehabilitation Science (Thesis) (45 credits)*

The full curriculum consists of approximately two years of study for graduates who hold a B.Sc. degree in one of the medical rehabilitation disciplines or a related field. The program consists of required and elective coursework, a research proposal, and a research thesis.

#### *section 14.14.1.7: Master of Science (M.Sc.) Rehabilitation Science (Non-Thesis) (45 credits)*

The program requires three terms of full-time residence study and can usually be completed within three to four terms. It is designed for graduates who hold a B.Sc. (or equivalent) in Physical or Occupational Therapy or related health professions. Two years of clinical experience is recommended. The program trains health professionals to become consumers of research in order to promote evidence-based practice in rehabilitation science. The curriculum is made up of both required and elective courses and may also include a research project.





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**;

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 *Altus Assessments*);
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 points 3, 4, and 5 under M.Sc. in Rehabilitation Science (Thesis) above for more information on prerequisites,

### **Associate Professors**

Sara Ahmed; Dana Anaby; Patricia Belchior da Cunha; Marie-Hélène Boudrias; Marie Brossard-Racine; André Bussiès; Joyce Fung; Isabelle Gagnon; Isabelle Gélinas; Matthew Hunt; Tania Janaudis-Ferreira; Eva Kehayia; Anouk Lamontagne; Raphael Lencucha; Melissa Park; Shawn Robbins; Marc Roig Pull; Laurence Roy; Keiko Shikako-Thomas; Laurie Snider; Jadranka Spahija; Aliko Thomas; Timothy Wideman.

### **Assistant Professors**

Mariana-Bertagnolli; Stefanie Blain-Moraes.

### **Associate Professors (Professional)**

Barbara Mazer; Richard Preuss; Caroline Storr.

### **Assistant Professors (Professional)**

Marie-Eve Bolduc; Madeleine Bonnard; Noémi Dahan-Oliel; Heather Lambert; Susanne Mak; Anita Menon; Cynthia Perlman; Claire Perez; Suzanne Rouleau; Barbara Shankland; Sara Saunders; Judith Soicher; Adriana Venturini; Hiba Zafran.

### **Faculty Lecturers**

Liliane Asseraf-Pasin; Dana Benoit; Marie-Christine Beshay; Claudia Brown; Karen Falcicchio; Crystal Garnett; Ana Maria Moga; Sarah Marshall; Daniel Nguyen; Isabelle Pearson; Frangiska Xenopoulos.

### **Academic Associate**

Monica Slanik

### **Adjunct Professors and Associate Members**

Nancy Alarie; Julie Côté; Mayada Elsabbagh; Sharon Henry; Michael Sullivan; Walter Wittich.

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 lev



OCC1 625	(3)	Functional Environments
OCC1 626	(3)	Mental Health: Child and Youth
POTH 625D1*	(1.5)	Design of Assistive Technologies: Principles
POTH 625D2*	(1.5)	Design of Assistive Technologies: Principles
POTH 627	(3)	Enabling Eating, Drinking, and Swallowing
POTH 632	(3)	Research Elective
POTH 633	(3)	Function/Activity in Arthritis
POTH 634	(3)	Childhood Performance Issues
POTH 635	(3)	Enabling Upper Extremity Function
POTH 636	(3)	Physical Therapy in Pediatrics
POTH 637	(3)	Cancer Rehabilitation
POTH 638	(3)	Promoting Wellness of Seniors
POTH 640	(3)	Role-Emerging Management

\*If selected, students must take both POTH 625D1 and POTH 625D2.

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.

#### **14.14.1.10 Doctor of Philosophy (Ph.D.) Rehabilitation Science**

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 pre

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.

**14.14.1.11 Graduate Certificate (Gr. Cert.) Driving Rehabilitation (15 credits)**

For more information about online graduate certificates, including up-to-date information on course details and current professors contributing to the courses, see the McGill School of Physical and Occupational Therapy website at <http://www.mcgill.ca/spot/programs/online-graduate-certificates/driving-certificate>.

**Required Courses (15 credits)**

Screening for at Risk Driv

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## 15 Faculty of Science

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### 15.1 Dean's Welcome

Welcome to Graduate and Postdoctoral Studies (GPS) at McGill. You are joining a community of world-class researchers and more than 10,000 graduate students in over 400 programs. GPS is here to support you from admissions through to graduation and beyond. McGill's approach to graduate education emphasizes skills development; we cultivate your academic and professional growth through a variety of workshops, events and experiential learning opportunities. I invite you to consult the [GPS website](#) for information on the range of resources available to graduate students at McGill.

I would like to wish you all the best in your studies at McGill. We are here to make sure that you have the best possible experience.

*Josephine Nalbantoglu, Ph.D.*

*Associate Provost (Graduate Education) and Dean, Graduate and Postdoctoral Studies*

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### 15.2 Graduate and Postdoctoral Studies

#### 15.2.1 Administrative Officers

##### Administrative Officers

Josephine Nalbantoglu; B.Sc., Ph.D.(McG.)

**Associate Provost (Graduate Education) and Dean (Graduate and Postdoctoral Studies)**

Lorraine Chalifour; B.Sc., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Nathan Hall; B.A., M.A., Ph.D. (Manit.)

**Associate Dean (Graduate and Postdoctoral Studies)**

Russell Steele; B.S., M.S. (Carn. Mell), Ph.D. (Wash.)

**Associate Dean (Graduate and Postdoctoral Studies)**

#### 15.2.2 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.

#### 15.2.3 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.

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### 15.3 Important Dates

For all dates relating to the academic year, consult [mcgill.ca/importantdates](http://mcgill.ca/importantdates).



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## 15.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources > Graduate > section 1.3: Graduate Studies at a Glance](#) for a list of all graduate departments and degrees currently being offered.

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## 15.5 Program Requirements

Refer to [University Regulations & Resources > Graduate > Regulations > section 1.1.7: Program Requirements](#) for graduate program requirements for the following:

- Master's Degrees
- Doctoral Degrees
- Coursework for Graduate Programs, Diplomas, and Certificates

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## 15.6 Graduate Admissions and Application Procedures

Please refer to [University Regulations & Resources > Graduate > section 1.4: Graduate Admissions and Application Procedures](#) 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.

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## 15.7 Fellowships, Awards, and Assistantships

Please refer to [University Regulations & Resources > Graduate > section 1.5: Fellowships, Awards, and Assistantships](#) for information and contact information regarding fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

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## 15.8 Postdoctoral Research

Students must inform themselves of University rules and [w132 Tm\(wships, a\)Tj1 0 0 1 185.369](#) and [w132 T0 v9rsg](#)

ii. 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.

iii. 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**

i. Postdocs must *re*

- 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.

v. 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.

vi. 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/students/srr](http://mcgill.ca/students/srr), and the Graduate and Postdoctoral Studies *University Regulations and Resources*;
- to submit a complete file for registration 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.

vii. Some examples of the responsibilities of the University are:

- to register postdocs;
- to provide an appeal mechanism in cases of conflict;
- to provide documented policies and procedures to postdocs;
- to provide postdocs with the necessary information on McGill University student services (Postdoctoral Fellows and Scholars) and HR policies and guidelines (Postdoctoral Researchers).

*Approved by Senate, April 2000; revised May 2014; February 2020.*

### **15.8.3 Vacation Policy for Postdocs**

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

### **15.8.4 Leave of Absence for Health and Parental/Familial Reasons**

A leave of absence may be granted for maternity or parental reasons or for health reasons (see [University Regulations & Resources > Graduate > section 1.2.8: Leave of Absence Status](#)).

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**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 Ph.D.) through application to a relevant graduate program.

**Category 4:** An individual with a regulated health professional degree (as defined under CIHR-eligible health profession), but not a Ph.D. or equivalent or medical specialty training, but who fulfils criteria for funding on a tri-council operating grant or by a CIHR fellowship (up to maximum of five years post-degree).



**Note:** Individuals who are not Canadian citizens or permanent residents must inquire about eligibility for a work permit.

#### General Conditions

- The maximum duration is three years.
- 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 professor to supervise the research and of the Unit.
- The individual must have adequate proficiency in English, but is 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.

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## 15.9 Graduate Studies Guidelines and Policies

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.2: Guidelines and Policies](#) for information on the following:

- Guidelines and Regulations for Academic Units on Graduate Student Advising and Supervision
- Policy on Graduate Student Research Progress Tracking
- Ph.D. Comprehensives Policy
- Graduate Studies Reread Policy
- Failure Policy
- Guideline on Hours of Work

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## 15.10 Graduate Student Services and Information

Graduate students are encouraged to refer to [section 1.7: Student Services and Information](#) for information on the following topics:

- Service Point
- Student Rights and Responsibilities
- Student Services – Downtown and Macdonald Campuses
- Residential Facilities
- Athletics and Recreation
- Ombudsperson for Students
- Extra-Curricular and Co-Curricular Activities
- Bookstore
- Computer Store
- Day Care

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## 15.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

Refer to [University Regulations & Resources](#) > [Graduate](#) > [section 1.6: Research Policy and Guidelines](#) for information on the following:

- Regulations on Research Policy
- Regulations Concerning the Investigation of Research Misconduct
- Requirements for Research Involving Human Participants
- Policy on the Study and Care of Animals
- Policy on Intellectual Property
- Regulations Governing Conflicts of Interest
- Safety in Field Work
- Office of Sponsored Research
- Postdocs
- Research Associates

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## 15.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2023–2024 session as listed.

### 15.12.1 Atmospheric and Oceanic Sciences

#### 15.12.1.1 Location

Department of Atmospheric and Oceanic Sciences  
Burnside Hall  
805 Sherbrooke Street West, Room 305  
Montreal QC H3A 0B9  
Canada  
Telephone: 514-398-3764  
Fax: 514-398-6115  
Email: [info.aos@mcgill.ca](mailto:info.aos@mcgill.ca); graduate studies: [graduateinfo.aos@mcgill.ca](mailto:graduateinfo.aos@mcgill.ca)  
Website: [mcgill.ca/meteo](http://mcgill.ca/meteo)

#### 15.12.1.2 About Atmospheric and Oceanic Sciences

The Department of Atmospheric and Oceanic Sciences offers courses and research opportunities in atmospheric sciences and physical oceanography leading to the **M.Sc.** and **Ph.D.** degrees. Research programs borrow from fundamental fields such as mathematics, statistics, physics, chemistry, and computing to address a broad range of topics relating to weather and climate. Examples include:

- atmospheric chemistry;
- climate dynamics;
- cloud and precipitation physics;
- dynamical oceanography and meteorology;
- geophysical turbulence;
- numerical modelling;
- numerical weather prediction;
- ocean carbon budgets;
- sea ice dynamics;
- synoptic and mesoscale meteorology; and
- remote sensing of weather and climate.

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.

*section 15.12.1.5: Master of Science (M.Sc.) Atmospheric and Oceanic Sciences (Thesis) (45 credits)*

Our program applies mathematics, physics, computing, and sometimes chemistry to study the atmosphere and/or oceans. The ideal student would therefore have a strong quantitative background in one or more of these fields. Although some of our students have undergraduate knowledge of meteorology or physical oceanography, this background is not necessary to succeed in the program. McGill offers the only program in Canada that includes both atmospheric

### 15.12.1.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### 15.12.1.3.2.1 Additional Requirements

The items and clarifications below are additional requirements set by this department:

- Acceptance by a research supervisor – required for the Ph.D. program

### 15.12.1.3.3 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 by consulting the departmental website at [mcgill.ca/meteo/programs-0/graduate-studies/prospective-graduate-students](https://mcgill.ca/meteo/programs-0/graduate-studies/prospective-graduate-students).

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](https://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.

### 15.12.1.4 Atmospheric and Oceanic Sciences Faculty

#### Chair

Andreas Zuend

#### Emeritus Professors

P. Bartello (*joint appt. with Mathematics and Statistics*); J.F. Derome; H.G. Leighton; L.A. Mysak; M.K. Yau

#### Professors

P. Ariya (*joint appt. with Chemistry*); J.R. Gyakum; B. Tremblay

#### Associate Professors

F. Fabry (*joint appt. with Bieler School of Environment*); Y. Huang; D. Kirshbaum; T. Preston (*joint appt. with Chemistry*); D. Straub; A. Zuend

#### Assistant Professors

C. Dufour; R. Fajber; D. Romanic; I. Tan

#### Adjunct Professors

L. Barrie; M. Buehner; P. Kollias; H. Lin; L.-P. Nadeau

### 15.12.1.5 Master of Science (M.Sc.) Atmospheric and Oceanic Sciences (Thesis) (45 credits)

The M.Sc. degree requires a minimum of 45 credits, up to a maximum of 51 credits. The program includes from 9 to 27 credits of coursework (depending on the student's background).

#### Thesis Courses (24 credits)

ATOC 691	(3)	Master's Thesis Literature Review
ATOC 692	(6)	Master's Thesis Research 1
ATOC 694	(3)	Master's Thesis Progress Report and Seminar
ATOC 699	(12)	Master's Thesis

Although registration is not required, students registered in M.Sc. programs are expected to regularly attend one of the student seminar series (ATOC 751D1/D2 or ATOC 752D1/D2) and the Department seminar series during the entire period of their enrolment in the program.

**Complementary Courses (21 credits)**

Must complete or have completed the following courses or equivalent:

ATOC 512	(3)	Atmospheric and Oceanic Dynamics
ATOC 513	(3)	Waves and Stability
ATOC 515	(3)	Turbulence in Atmosphere and Oceans
ATOC 519*	(3)	Advances in Chemistry of Atmosphere
ATOC 521	(3)	Cloud Physics
ATOC 525	(3)	Atmospheric Radiation
ATOC 531	(3)	Dynamics of Current Climates
ATOC 540	(3)	Synoptic Meteorology 1
ATOC 541	(3)	Synoptic Meteorology 2
ATOC 548	(3)	Mesoscale Meteorology
ATOC 568	(3)	Ocean Physics
ATOC 626	(3)	Atmospheric/Oceanic Remote Sensing
CHEM 519*	(3)	Advances in Chemistry of Atmosphere

\* Students may select either ATOC 519 or CHEM 519.

Or other courses at the 500 level or higher recommended by the Department's Graduate Program Director.



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)**

ATOC 700

(1)

Ph.D. Proposal Seminar

Ph.D. Comprehensive (Ge mupSO10Tm((1))Tj1 0 0 1289.35 586.042 Tm(A)Tj1 0 0 1 289.35 586.042 Tm(T)Tj1 0 0 1 2

### 15.12.2.2 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. Besides doing cutting-edge research, our graduate trainees acquire 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, 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 specialized program options in Environment and 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 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 Subarctic Research Station*



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](#).



**Note:** Applications for Summer term admission will not be considered.

#### **15.12.2.4 Biology Faculty**

##### **Chair**

Gregor Fussmann

##### **Graduate Program Director**

Tamara Western

Fiona Soper (Vice GPD)

##### **Emeritus Professors**

Gregory G. Brown; A. Howard Bussey; Robert L. Carroll, *in memoriam*; Ronald Chase; Rajinder S. Dhindsa; Jacob Kalff; Donald L. Kramer; Martin J. Lechowicz; Louis Lefebvre; Barid B. Mukherjee; Gerald S. Pollack; Ronald Poole; Derek Roff; Rolf Sattler

##### **Professors**

Ehab Abouheif; Graham A.C. Bell; Lauren Chapman; Melania Cristescu; Gregor Fussmann; Andrew Gonzalez (*on sabbatical*); Irene Gre

**Required Courses (39 credits)**

BIOL 697	(13)	Master's Thesis Research 1
BIOL 698	(13)	Master's Thesis Research 2
BIOL 699	(13)	Master's Thesis Research 3

**Complementary Courses (6 credits)**

3 credits from the follo

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)**

BIOL 690	(10)	Master's Thesis Research 4
BIOL 697	(13)	Master's Thesis Research 1
BIOL 698	(13)	Master's Thesis Research 2

**Required Courses (6 credits)**

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy

**Elective Courses (3 credits)**

3 credits, at the 500 level or higher, on environmental issues to be chosen in consultation with and approved by the student's supervisor AND the Neotropical Environment Options Director.

**15.12.2.8 Doctor of Philosophy (Ph.D.) Biology**

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)**

BIOL 700	(0)	Doctoral Qualifying Examination
BIOL 702	(6)	Ph.D. Seminar

**Complementary Courses (9 credits)**

3 credits from the following [choose BIOL 601 and either BIOL 602 or BIOL 603]:

BIOL 601	(1.5)	Introduction to Graduate Studies in Biology
BIOL 602	(1.5)	Molecular Biology Research and Professional Skills
BIOL 603	(1.5)	Organismal Biology Research and Professional Skills

\*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

**15.12.2.9 Doctor of Philosophy (Ph.D.) Biology: Environment**

\*\*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**



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)

### **15.12.3.2 About Chemistry**

#### **Research in Chemistry**

Members of the Department are organized into various research themes. Some of the current research interests are listed below, and are presented in much more detail on the [Departmental website](#).

#### **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, signalling pathway



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 discov

**Assistant Professors**

E. McCalla; M. McKeague; M.A. Légaré; C.J. Thibodeaux; L. Simine

**Adjunct Professors**

I. Wharf; E. Lam.; T. Friscic; R. Zamboni; M. Laleg

**Faculty Lecturers**

L. Pavelka; S. Sewall; P. Sirjoosingh

**15.12.3.5 Master of Science (M.Sc.) Chemistry (Thesis) (45 credits)****Thesis Courses**

(24-31 credits)

At least 24 credits chosen from the following:

CHEM 691	(3)	M.Sc. Thesis Research 1
CHEM 692	(6)	M.Sc. Thesis Research 2
CHEM 693	(9)	M.Sc. Thesis Research 3
CHEM 694	(12)	M.Sc. Thesis Research 4
CHEM 695	(15)	M.Sc. Thesis Research 5

**Required Courses**

(5 credits)

CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Progress Assessment 1

**Complementary Courses**

(9-16 credits)

Students will normally take 9-16 credits of CHEM (or approved) courses at the 500 or 600 level.

**15.12.3.6 Doctor of Philosophy (Ph.D.) Chemistry****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**

CHEM 650	(1)	Seminars in Chemistry 1
CHEM 651	(1)	Seminars in Chemistry 2
CHEM 688	(3)	Progress Assessment 1
CHEM 701	(0)	Comprehensive Examination
CHEM 702	(0)	Progress Assessment 2

**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.

## **15.12.4 Computer Science**

### **15.12.4.1 Location**

School of Computer Science  
McConnell Engineering, Room 318  
3480 University Street  
Montreal QC H3A 0E9  
Canada  
Telephone: 514-398-7071  
Fax: 514-398-3883  
Email: [grad.cs@mcgill.ca](mailto:grad.cs@mcgill.ca)  
Website: [cs.mcgill.ca](http://cs.mcgill.ca)

### **15.12.4.2 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 e

### **15.12.4.3 Computer Science Admission Requirements and Application Procedures**

#### **15.12.4.3.1 Admission Requirements**

##### **Master of Science (M.Sc.)**

The minimum requirement for admission is a bachelor's degree (cumulative grade point average (CGPA) of 3.2 out of 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.

#### **15.12.4.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

##### *15.12.4.3.2.1 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) is optional for all programs.

For further details about each required document, consult the [School of Computer Science's website](#).

#### **15.12.4.3.3 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 coneadlines

### **Faculty Lecturers**

G. Alberini; D. Beccerra; J. Errington; F. M'hiri; M. ElSaadawy; J. Vybihal

### **Associate Members**

L. Addario-Berry (*Math & Stats*); S. Baillet (*Neurology and Neurosurgery*); P. Bashivan (*Physiology*); D. Bzdok (*Biolo*

COMP 642	(4)	Numerical Estimation Methods
COMP 647	(4)	Advanced Cryptography
COMP 649	(4)	Quantum Cryptography
COMP 690	(4)	Probabilistic Analysis of Algorithms
COMP 760	(4)	Advanced Topics Theory 1
COMP 761	(4)	Advanced Topics Theory 2

Category B: Systems

COMP 512	(4)	Distributed Systems
COMP 520	(4)	Compiler Design
COMP 529	(4)	Software Architecture
COMP 533	(3)	Model-Driven Software Development
COMP 535	(4)	Computer Networks 1
COMP 555	(4)	Information Privacy
COMP 614	(4)	Distributed Data Management
COMP 621	(4)	Program Analysis and Transformations
COMP 655	(4)	Distributed Simulation
COMP 667	(4)	Software Fault Tolerance
COMP 762	(4)	Advanced Topics Programming 1
COMP 763	(4)	Advanced Topics Programming 2
		Advanced T

COMP 680	(4)	Mining Biological Sequences
COMP 766	(4)	Advanced Topics Applications 1
COMP 767	(4)	Advanced Topics: Applications 2

#### 15.12.4.6 Master of Science (M.Sc.) Computer Science (Thesis): Bioinformatics (45 credits)

##### Thesis Courses (24 credits)

22 credits selected from:

COMP 691	(3)	Thesis Research 1
COMP 696	(3)	Thesis Research 2
COMP 697	(4)	Thesis Research 3
COMP 698	(10)	Thesis Research 4
COMP 699	(12)	Thesis Research 5

##### Required Courses (3 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar

##### Required Course

COMP 601	(2)	Thesis Literature Review
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##### Complementary Courses (18 credits)

6 credits chosen from the following courses:

BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics
PHGY 603	(3)	Systems Biology and Biophysics

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.

#### 15.12.4.7 Master of Science (M.Sc.) Computer Science (Non-Thesis) (45 credits)

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)

COMP 602	(1)	Computer Science Seminar 1
COMP 603	(1)	Computer Science Seminar 2

##### 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:

COMP 693	(3)	Research Project 1
COMP 694	(6)	Research Project 2
COMP 695	(6)	Research Project 3

### Internship

0-15 credits from:

COMP 689	(15)	Internship in Computer Science
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### 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.

ECSE 507	(3)	Optimization and Optimal Control
ECSE 508	(3)	Multi-Agent Systems
ECSE 516	(3)	Nonlinear and Hybrid Control Systems
ECSE 518	(3)	Telecommunication Network Analysis
ECSE 523	(3)	Speech Communications
ECSE 526	(3)	Artificial Intelligence
ECSE 539	(4)	Advanced Software Language Engineering
ECSE 542	(4)	Human Computer Interaction
ECSE 546	(4)	Advanced Image Synthesis
ECSE 551	(4)	Machine Learning for Engineers
ECSE 552	(4)	Deep Learning
ECSE 556	(4)	Machine Learning in Network Biology
ECSE 570	(3)	Automatic Speech Recognition
ECSE 626	(4)	Statistical Computer Vision
MATH 523	(4)	Generalized Linear Models
MATH 524	(4)	Nonparametric Statistics
MATH 533	(4)	Regression and Analysis of Variance
MATH 559	(4)	Bayesian Theory and Methods
MATH 563	(4)	Honours Convex Optimization
MATH 578	(4)	Numerical Analysis 1
MATH 680	(4)	Computation Intensive Statistics
MECH 513	(3)	Control Systems

### 15.12.4.8 Doctor of Philosophy (Ph.D.) Computer Science

Required coursework: Students must take eight graduate courses, of which at least five are computer science courses. These courses should be chosen by the student in consultation with the supervisor (or co-supervisor) and the Progress Committee.

### Thesis

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

COMP 700	(0)	Ph.D. Comprehensive Examination
COMP 701	(3)	Thesis Proposal and Area Examination

## Complementary Courses

18-24 credits selected from:

### Category A: Theory and Applications

COMP 523	(3)	Language-based Security
COMP 525	(3)	Formal Verification
COMP 531	(3)	Advanced Theory of Computation
COMP 540	(4)	Matrix Computations
COMP 547	(4)	Cryptography and Data Security
COMP 549	(3)	Brain-Inspired Artificial Intelligence
COMP 552	(4)	Combinatorial Optimization
COMP 554	(4)	Approximation Algorithms
COMP 561	(4)	Computational Biology Methods and Research
COMP 562	(4)	Theory of Machine Learning
COMP 564	(3)	Advanced Computational Biology Methods and Research
COMP 565	(4)	Machine Learning in Genomics and Healthcare
COMP 566	(3)	Discrete Optimization 1
COMP 567	(3)	Discrete Optimization 2
COMP 588	(4)	Probabilistic Graphical Models
COMP 598	(3)	Topics in Computer Science 1
COMP 599	(4)	Topics in Computer Science 2
COMP 610	(4)	Information Structures 1
COMP 611	(4)	Mathematical Tools for Computer Science
COMP 618	(3)	Bioinformatics: Functional Genomics

COMP 529	(4)	Software Architecture
COMP 533	(3)	Model-Driven Software Development
COMP 535	(4)	Computer Networks 1
COMP 546	(4)	Computational Perception
COMP 555	(4)	Information Privacy
COMP 557	(4)	Fundamentals of Computer Graphics
COMP 558	(4)	Fundamentals of Computer Vision
COMP 585	(4)	Intelligent Software Systems
COMP 598	(3)	Topics in Computer Science 1
COMP 599	(4)	Topics in Computer Science 2
COMP 614	(4)	Distributed Data Management
COMP 621	(4)	Program Analysis and Transformations
COMP 652	(4)	Machine Learning
COMP 655	(4)	Distributed Simulation
COMP 667	(4)	Software Fault Tolerance
COMP 762	(4)	Advanced Topics Programming 1
COMP 763	(4)	Advanced Topics Programming 2
COMP 764	(4)	Advanced Topics Systems 1
COMP 765	(4)	Advanced Topics Systems 2
COMP 766	(4)	Advanced Topics Applications 1
COMP 767	(4)	Advanced Topics: Applications 2

Note: Each year the Ph.D. Committee will determine which category COMP 598 and COMP 599 belong to according to the subjects taught in those courses.

#### **15.12.4.9 Doctor of Philosophy (Ph.D.) Computer Science: Bioinformatics**

##### **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**

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
COMP 700	(0)	Ph.D. Comprehensive Examination
COMP 701	(3)	Thesis Proposal and Area Examination

##### **Complementary Courses**

Tw

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.

## 15.12.5 Earth and Planetary Sciences

### 15.12.5.1 Location

Department of Earth and Planetary Sciences  
Frank Dawson Adams Building  
3450 University Street  
Montreal 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)

### 15.12.5.2 About Earth and Planetary Sciences

The Department of Earth and Planetary Sciences offers both **M.Sc.** and **Ph.D.** degree programs. Graduate programs are based on research, although some courses are required to build the backgrounds of students. Research in the Department is wide-ranging, and includes:

- the geochemistry of the mantle;
- the nature of processes concentrating metals in hydrothermal mineral deposits;
- the controls of viscosity in magmas and the mechanisms of volcanic eruption;
- the fate of carbon and trace metals in marine sediments;
- the nature of changes in atmospheric and oceanic chemistry during Earth's history;
- earthquakes and fault mechanisms;
- geomicrobiology;
- the movement of water and nutrients within complex ecohydrological systems;
- wetland hydrogeology;
- interactions between the cryosphere, solid Earth, and climate systems;
- global human processes and their relationship to planetary boundaries.

There is a very substantial interdisciplinary basis to much of the research.

Facilities in the Department include low-temperature and pressure to high-temperature and pressure e

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 northern peatlands; 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

*section 15.12.5.6: Doctor of Philosophy (Ph.D.) Earth and Planetary Sciences*

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 tak

## Adjunct Professors

R. Harrington; R. Léveillé

### 15.12.5.5 Master of Science (M.Sc.) Earth and Planetary Sciences (Thesis) (45 credits)

#### Thesis Courses (33 credits)

EPSC 697	(9)	Thesis Preparation 1
EPSC 698	(12)	Thesis Preparation 2
EPSC 699	(12)	Thesis Preparation 3

#### Complementary Courses (12 credits)

Four 3-credit 500-, 600-, or 700-level EPSC courses chosen with the approval of the supervisor or the research director and GPS.

### 15.12.5.6 Doctor of Philosophy (Ph.D.) Earth and Planetary Sciences

Highly qualified B.Sc. graduates may be admitted directly to the Ph.D. 1 year. Students with the M.Sc. degree are normally admitted to the Ph.D. 2 year.

\* Students are required to take four graduate-level courses in the Ph.D. 1 year, and two courses plus a comprehensive oral examination in the Ph.D. 2 year.

#### 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

EPSC 700	(0)	Preliminary Doctoral Examination
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#### Complementary Courses

Two to six courses (6 to 18 credits) approved at the 500, 600, or 700 level selected in consultation with the student's supervisor and approved by the Academic Standing Committee.

## 15.12.6 Geography

### 15.12.6.1 Location

Department of Geography  
Burnside Hall  
805 Sherbrooke Street West, Room 305  
Montreal QC H3A 0B9  
Canada  
Telephone: 514-398-4111  
Fax: 514-398-7437  
Email: [grad.geog@mcgill.ca](mailto:grad.geog@mcgill.ca)

- 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 subarctic field stations, and has strong ties with McGill's *Bieler School of Environment*. 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 (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, 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 Chair 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)

### ***section 3.12.9.9: Master of Arts (M.A.) Geography (Thesis): Neotropical Environment (45 credits)***

required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours 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.

### **Master of Science (M.Sc.) Programs in Geography**

Detailed program requirements for the following M.Sc. programs are found in [Science](#) > [Graduate](#) > [Browse Academic Units & Programs](#) > [Geography](#).

### ***section 15.12.6.5: Master of Science (M.Sc.) Geography (Thesis) (45 credits)***

Master's degrees in both the physical (M.Sc.) and social (M.A.) sciences are offered by Geography. The core of both programs for all students is field-based research, supervised by a faculty member, culminating in a thesis. The core program consists of the thesis component, required, and complementary graduate (500- or 600-level) courses. Geography also offers a number of M.A. and M.Sc. options in association with other McGill departments and programs that students may choose to follow.

### ***section 15.12.6.6: Master of Science (M.Sc.) Geography (Thesis): Environment (45 credits)***

**\*\*This program is not offered in the 2023-2024 academic year.\*\***

The Environment option is offered in association with the [Bieler School of Environment](#) (BSE) and is composed of a thesis component; required Geography and Environment courses; and complementary Geography and Environment courses. 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. Students who have been admitted through their home department or Faculty may apply for admission to the option. Option requirements are consistent across academic units. The option is coordinated by the MSE, in partnership with participating academic units.

### ***section 15.12.6.7: Master of Science (M.Sc.) Geography (Thesis): Neotropical Environment (45 credits)***

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for master's students offered in association with several university departments, the [Bieler School of Environment](#), and the [Smithsonian Tropical Research Institute](#) (STRI-Panama). The option includes a thesis; required courses in Geography, Environment, and Biology; and complementary courses chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favours interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

### **Ph.D. Programs in Geography**

### ***section 3.12.9.10: Doctor of Philosophy (Ph.D.) Geography***

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research, and coursework chosen in collaboration with the student's supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course, and a minimum of two complementary courses.

### ***section 3.12.9.11: Doctor of Philosophy (Ph.D.) Geography: Environment***

**\*\*This program is not offered in the 2023-2024 academic year.\*\***

The Environment option consists of the thesis and comprehensive of the Ph.D. r0 l 0.5ompre4nEO f





**Emeritus Professors**

T.R. Moore; S. Olson; W.H. Pollard; G.W. Wenzel

**Professors**

G.L. Chmura; O.T. Coomes; N.T. Roulet; S. Turner; J. Unruh

**Associate Professors**

G. Ali; S. Breau; B. Forest; M. Kalacska; B. Lehner; G. MacDonald; K. Manaugh; T.C. Meredith; S. Moser; Y. le Polain de Waroux; G. McK

3 credits, one course chosen from the following:

- |          |     |   |
|----------|-----|---|
| ENVR 519 | (3) | Global Environmental Politics           |
| ENVR 544 | (3) | Environmental Measurement and Modelling |
| ENVR 620 | (3) | Environment and Health of Species       |
| ENVR 622 | (3) | Sustainable Landscapes                  |
|          |     | (3)ENVR 320                             |

243)

**Complementary Courses**

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

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

GEOG 702	(0)	Comprehensive Examination 3
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

### **Complementary Courses**

Two substantive courses.

One of these two courses must be taken within the Department of Geography at the 500 level or above; one of the two courses must be on gender/women's issues at the 500, 600, or 700 level.

### **15.12.6.11 Doctor of Philosophy (Ph.D.) Geography: Neotropical Environment**

The Neotropical Option is offered in association with several University departments, the Bieler School of Environment, and the Smithsonian Tropical Research Institute (STRI-Panama) and includes the thesis, comprehensi

- Analysis;
- Applied Mathematics;
- Differential Equations;
- Differential Geometry;
- Discrete Mathematics;
- Geometric Group Theory;
- Logic;
- Mathematical Biology;
- Mathematical Physics;
- Number Theory;
-

## 15.12.7.3 Mathematics and Statistics Admission Requirements and Application Procedures

### 15.12.7.3.1 Admission Requirements

In addition to the general Graduate and Postdoctoral Studies requirements, the Department requirements are as follows:

#### Master's Degree

The normal entrance requirement for the master's programs is a Canadian honours degree or its equivalent, with high standing, in mathematics or a closely related discipline in the case of applicants intending to concentrate in statistics or applied mathematics.

Applicants wishing to concentrate in pure mathematics should have a strong background in linear algebra, abstract algebra, and real and complex analysis.

Applicants wishing to concentrate in statistics should have a strong background in linear algebra and basic real analysis. A calculus-based course in probability and one in statistics are required, as well as some knowledge of computer programming. Some knowledge of numerical analysis and optimization is desirable.

Applicants wishing to concentrate in applied mathematics should have a strong background in most of the areas of linear algebra, analysis, differential equations, discrete mathematics, and numerical analysis. Some knowledge of computer programming is also desirable.

Students whose preparation is insufficient for the program they wish to enter may, exceptionally, be admitted to a Qualifying year.

#### Ph.D. Degree

A master's degree with high standing is required, in addition to the requirements listed above for the master's program. Students may transfer directly from the master's program to the Ph.D. program under certain conditions. Students without a master's degree, but with exceptionally strong undergraduate training, may be admitted directly to Ph.D. 1.

### 15.12.7.3.2 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](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.4: Application Procedures](#) for detailed application procedures.

#### 15.12.7.3.2.1 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 research group(s) and 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/postgraduate/prospective-students/admissions](http://mcgill.ca/mathstat/postgraduate/prospective-students/admissions).

### 15.12.7.3.3 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-pr](http://mcgill.ca/gps/contact/graduate-pr)

**Professors**

Louigi Addario-Berry; Masoud Asgharian; Rustum Choksi; Henri Darmon; Christian Genest; Eyal Z. Goren; Pengfei Guan; Jacques C. Hurtubise; Dmitry Jakobson; Vojkan Jaksic; Joel Kamnitzer; Niky Kamran; Eric D. Kolaczyk; Jean-Philippe Lessard; Johanna Neslehova; Adam Oberman; Charles Roth; David A. Stephens; John A. Toth; Adrian Vetta; Daniel T. Wise

**Associate Professors**

Patrick Allen; Linan Chen; Tim Hoheisel; Antony R. Humphries; Abbas Khalili; Jessica Lin; Jean-Christophe Nave; Sergey Norin; Elliot Paquette; Mikael Pichot; Piotr Przytycki; Marcin Sabok; Russell Steele; Anush Tserunyan; Gantumur Tsogtgerel; Jérôme Vétois; Archer Yang

**Assistant Professors**

Medhi Dadoug; Courtney Paquette; Brent Pym

**Associate Members**

Simon Caron-Huot; Xiao-Wen Chang; Luc Devroye; Pierre R. L. Dutilleul; Leon Glass; James A. Hanley; Hamed Hatami; Anmar Khadra; Xue Liu; Michael Mackey; Erica E.M. Moodie; Prakash Panangaden; Robert W. Platt; Alexandra Schmidt; Kaleem Siddiqi; Christina Wolfson

**Adjunct Professors**

Syed E. Ahmed; Andrew Granville; Alexis Hannart; Adrian Iovita; Dimitris Koukoulopoulos; Michael Lipnowski; Ming Mei; Claude-Alain Pillet; Iosif Polterovich; Armen Shirikyan

**Senior Faculty Lecturers**

José A. Correa; Axel Hundemer; Armel Djivede Kelome

**Faculty Lecturers**

Rosalie Bélanger-Rioux; Jérôme Fortier; Kiwon Lee; Jens Kreitewolf, *joint with Psychology*; Jeremy Macdonald; Tharshanna Nadarajah; Alia Sajjad; Sidney Trudeau

**15.12.7.5 Master of Science (M.Sc.) Mathematics and Statistics (Thesis) (45 credits)****Thesis Courses (24 credits)**

MATH 600	(6)	Master's Thesis Research 1
MATH 601	(6)	Master's Thesis Research 2
MATH 604	(6)	Master's Thesis Research 3
MATH 605	(6)	Master's Thesis Research 4

**Complementary Courses (21 credits)**

At least six approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

**15.12.7.6 Master of Science (M.Sc.) Mathematics and Statistics (Non-Thesis) (45 credits)****Research Project (16 credits)**

MATH 640	(8)	Project 1
MATH 641	(8)	Project 2

**Complementary Courses (29 credits)**

At least eight approved graduate courses, at the 500, 600, or 700 level, of 3 or more credits each.

**15.12.7.7 Doctor of Philosophy (Ph.D.) Mathematics and Statistics**

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**

(0) Ph.D. Qualifying Examination

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. For more information about financial support, please [physics.mcgill.ca/grads/finance.html](http://physics.mcgill.ca/grads/finance.html).

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. For graduate admission and application information, please visit [physics.mcgill.ca/grads/application.html](http://physics.mcgill.ca/grads/application.html).

#### **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](http://slac.stanford.edu) and the Belle-2 experiment at the [KEK](http://kekb.kek.jp) 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](http://cern.ch)'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



## Associate Professors

T. Brunner; H. Cynthia Chiang; L. Childress; B. Coish; D. Cooke; N. Cowan; A. Cumming; D. Haggard; M. Hilke; T. Pereg-Barnea; W. Reisner; S. Robertson; R. Rutledge; J. Childress; J. Siev



### **15.12.9.2 About Psychology**

The aim of the Experimental program is to provide students with an environment in which they are free to develop skills and expertise that will serve during a professional career of teaching and research as a psychologist. Coursework and other requirements are at a minimum. Success in the program depends on the student's ability to org



**Graduate Program Director**

M. Sulli



**Required Courses (18 credits)**

PSYC 601	(6)	Master's Comprehensive
PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

**15.12.9.6 Doctor of Philosophy (Ph.D.) Psychology**

All candidates for the Ph.D. degree must demonstrate broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of their special field. Great emphasis is placed on the development of research skills, and the dissertation forms the major part of the evaluation at the Ph.D. level.

Ph.D. students in Clinical Psychology must fulfil similar requirements to Ph.D. students in the Experimental Program and must also take a variety of specialized courses, which include practicum and internship experiences.

**Thesis**

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**

PSYC 701	(0)	Doctoral Comprehensive Examination
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**Complementary Courses**

12-24 credits

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

PSYC 712	(3)	Comparative and Physiological Psychology 3
PSYC 715	(3)	Comparative and Physiological Psychology 6
PSYC 722	(3)	Personality and Social Psychology
PSYC 723	(3)	Personality and Social Psychology
PSYC 724	(3)	Personality and Social Psychology
PSYC 725	(3)	Personality and Social Psychology
PSYC 727	(3)	Personality and Social Psychology
PSYC 728	(3)	Ethics and Professional Issues
PSYC 729	(3)	Theory of Assessment
PSYC 730	(3)	Clinical Neuroscience Methods
PSYC 732	(3)	Clinical Psychology 1
PSYC 733	(3)	Clinical Psychology 2
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 740	(3)	Perception and Cognition
PSYC 741	(3)	Perception and Cognition
PSYC 742	(3)	Perception and Cognition
PSYC 743	(3)	Perception and Cognition



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.

### 15.12.9.8 Doctor of Philosophy (Ph.D.) Psychology: Language Acquisition

Students must satisfy all program requirements for the Ph.D. in Psychology. The Ph.D. thesis must be on a topic relating to language acquisition.

#### 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)

LING 710	(2)	Language Acquisition Issues 2
PSYC 701	(0)	Doctoral Comprehensive Examination
PSYC 709	(2)	Language Acquisition Issues 1
SCSD 712	(2)	Language Acquisition Issues 4

#### Complementary Courses

15-32 credits

12 credits (one course per term in Year 2 and Year 3) chosen from the following list:

PSYC 712	(3)	Comparative and Physiological Psychology 3
PSYC 715	(3)	Comparative and Physiological Psychology 6
PSYC 722	(3)	Personality and Social Psychology
PSYC 723	(3)	Personality and Social Psychology
PSYC 724	(3)	Personality and Social Psychology
PSYC 725	(3)	Personality and Social Psychology
PSYC 727	(3)	Personality and Social Psychology
PSYC 728	(3)	Ethics and Professional Issues
PSYC 729	(3)	Theory of Assessment
PSYC 730	(3)	Clinical Neuroscience Methods
PSYC 732D1	(1.5)	Clinical Psychology 1
PSYC 732D2	(1.5)	Clinical Psychology 1
PSYC 733D1	(1.5)	Clinical Psychology 2
PSYC 733D2	(1.5)	Clinical Psychology 2
PSYC 734	(3)	Developmental Psychology and Language
PSYC 735	(3)	Developmental Psychology and Language
PSYC 736	(3)	Developmental Psychology and Language
PSYC 740	(3)	Perception and Cognition
PSYC 741	(3)	Perception and Cognition
PSYC 742	(3)	Perception and Cognition
PSYC 743	(3)	Perception and Cognition
PSYC 744	(3)	Perception and Cognition
PSYC 746	(3)	Quantitative and Individual Differences
PSYC 747	(3)	Quantitative and Individual Differences
PSYC 748	(3)	Quantitative and Individual Differences

PSYC 749	(3)	Quantitative and Individual Differences
PSYC 750	(3)	Applied Bayesian Statistics
PSYC 752D1	(3)	Psychotherapy and Behaviour Change
PSYC 752D2	(3)	Psychotherapy and Behaviour Change
PSYC 753	(3)	Health Psychology Seminar 1

At least 3 credits selected from the following list:

EDSL 620	(3)	Social Justice Issues in Second Language Education
EDSL 623	(3)	Second Language Learning
EDSL 624	(3)	Educational Sociolinguistics
EDSL 627	(3)	Instructed Second Language Acquisition Research
EDSL 632	(3)	Second Language Literacy Development
LING 651	(3)	Topics in Acquisition of Phonology
LING 655	(3)	Theory of L2 Acquisition
LING 751	(3)	Advanced Seminar: Experimental 1
LING 752	(3)	Advanced Seminar: Experimental 2
PSYC 545	(3)	Topics in Language Acquisition
PSYC 735	(3)	Developmental Psychology and Language
	(3)	Phonological Development

PSYC 650	(3)	Advanced Statistics 1
PSYC 651	(3)	Advanced Statistics 2
PSYC 660D1	(3)	Psychology Theory
PSYC 660D2	(3)	Psychology Theory

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.

## **15.12.10 Redpath Museum**

### **15.12.10.1 Location**

Redpath Museum  
859 Sherbrooke Street West  
Montreal QC H3A 0C4  
Canada  
Telephone: 514-398-4086  
Email: [redpath.museum@mcgill.ca](mailto:redpath.museum@mcgill.ca)  
Website: [mcgill.ca/redpath](http://mcgill.ca/redpath)

### **15.12.10.2 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 or

**Associate Members**

*Biology:* Graham A.C. Bell; Lauren Chapman

*Chemistry:* David N. Harpp

*Earth & Planetary Sciences:* Jeanne Paquette

**Adjunct Professors**

Robert Holmes; Henry M. Reiswig; Michael Woloch