



Graduate and Postdoctoral Studies
Programs, Courses and University Regulations
2022-2023

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Publication Information

Published by

Enrolment Services

McGill University
3415 McTavish Street
Montreal, Quebec, H3A 0C8
Canada

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1 University Regulations and Resources

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:

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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**

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 univ

- If you are attending McGill as an Exchange student from outside Quebec, you are not eligible to take courses at another Quebec institution through the IUT agreement.
- Any grades received late from host universities may delay your graduation.

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

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



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

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



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



Note for Engineering: For most programs, courses that can be taken through the IUT agreement are restricted to specific course categories. For details, please see mcgill.ca/engineering/students/exchanges-study-away/study-away.



Note for Nursing: You must obtain permission from the Ingram School of Nursing to register at another Quebec university for three, or in some cases six, credits per term in addition to your registration at McGill. These courses, subject to the Ingram School of Nursing's regulations, will be recognized by McGill for the degree that you are registered for, up to the limit imposed by the residency requirements of the program. Normally, you must complete a minimum residency (i.e., courses taken at McGill) requirement of 60 credits at McGill in order to qualify for a McGill degree (you should check with the Ingram School of Nursing). This privilege will be granted if there are valid academic reasons. If you want to take advantage of this agreement, please see mcgill.ca/students/iut for information and application procedures. The final grades earned at the host university must meet the minimum requirements as set by the Ingram School of Nursing, i.e., a letter grade of 'B-'.



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

1.1.2.14 Quebec Inter-University Transfer Agreement: Visiting IUT Students



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

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

If you are a student at another Quebec university and you want to take courses at McGill using the Quebec Inter-University Transfer (IUT) agreement, you must initiate an online application to request the required authorizations at mcgill.ca/students/iut. You should also refer to your m(A to 8o1 0 0 1 38s 0 m() term—B8.1 7

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

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

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

1.1.3.6.1 Graphos Scholarly Communication Courses



Note: This information remains accurate until the end of the Winter 2022 term. In May 2022 the McGill Writing Centre will transfer to the Faculty of Arts. All course codes will be revised and will begin with WCOM. For the most up-to-date information, please visit mcgill.ca/mwc and mcgill.ca/graphos.

The McGill Writing Centre (mcgill.ca/mwc) offers several 1-credit courses in scholarly communication. Most of these courses form part of the Graphos program (mcgill.ca/graphos) for graduate students and postdoctoral fellows. Graphos courses are not counted toward the requirements of a graduate program (the sole exception being the non-thesis Master's program in Second Language Education, toward which only CESL 641, CEAP 642, CEAP 661, and CEAP 665 may be counted).



Notes:

- All Graphos courses are **pass/fail**
- Thanks to a sponsorship program, nearly all doctoral students and master's thesis students are eligible to take Graphos courses **at no extra cost, provided that they remain in the course (i.e., do not withdraw) and submit all required assignments**. If you are in "Thesis Evaluation" status (i.e., [section 1.1.2.5: Thesis Evaluation Students](#)), you are not eligible for sponsorship; you can register as a "Special Student" but would be responsible for the course fees. If you are otherwise eligible but your tuition is already externally sponsored by another entity, please contact graphos@mcgill.ca to see if any extra steps are necessary for course sponsorship.
- Since these courses finish before the end of term, **the Graphos add/drop and withdrawal (with and without refund) dates are often earlier than the standard University dates for full term courses** and vary based on the start date of the course.
- Graphos courses are exempt from the "J" grade assignment percentage policy set out in the [University Student Assessment Policy](#) (see 3.1.7).
- Before registering, please consult the [Graphos website](#) for further details.

1.1.3.6.2 List of McGill Writing Centre/Graphos Courses

CCOM 614 – Communicating Science to the Public

CCOM 615 – Communicating Science to the Digital Public

CEAP 642 – Cornerstones of Academic Writing

CEAP 652 – Fundamentals of Academic Presentations

CEAP 661 – Literature Re

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

After the Course Change deadline, you may add courses exceptionally only with written permission of the instructor and your department, and the approval of Enrolment Services. A fee will be charged for each course you add.

1.1.3.10 Course Withdrawal

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

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

1.1.3.10.1 Courses that Begin in the Fall Term

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

- Tuesday, September 20, 2022

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

- Single-term courses: Tuesday, October 25, 2022
- Multi-term courses that begin in Fall term (**refund for the Winter portion of the course only**): Tuesday, January 17, 2023

1.1.3.10.2 Courses that Begin in the Winter Term

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

- Tuesday, January 24, 2023

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

- Single-term courses: Tuesday, March 7, 2023
- Multi-term courses that begin in Winter term (**refund for the Summer or later portion of the course only**): May 15, 2023*

* 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 Aid Office](#), [International Student Services](#), and/or your faculty Student Affairs Office, where relevant.



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



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



Note for the Faculty of Law: You are encouraged to meet with a student adviser before withdrawing from a course (no refund).



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

Graduate students who wish to withdraw from McGill should consult [section 1.1.5: University Withdrawal](#), and submit a "Request for a University Withdrawal" form, available at [Student Records Forms](#). Please note that this form is sent to the Management of Academic Records Office, Enrolment Services.



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

1. To withdraw from required or complementary courses after the withdrawal (without refund) deadline, you may need to obtain permission from your adviser, and you must fill out and submit a course withdrawal form, available from your faculty Student Affairs Office. (Note 1 is not applicable to Medicine, Dentistry, and Nursing. For information, you should refer to your Faculty/School section in this publication).
2. It is solely your responsibility to initiate a course withdrawal 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 (see deadlines above). Otherwise, after this time, your name will continue to appear on the class list and grade reports and, in the event that you do not take the exam, you will be given a J grade.
4. Fee refunds, if any, will be in accordance with [section 1.8.8: Fees and Withdrawal from the University](#).



Note for Ingram School of Nursing: To withdraw from any courses after the withdrawal (without refund) deadline, you need to obtain permission from your Program Director. To do so, submit a formal request by email to the Ingram School of Nursing [Student Affairs Office](#) along with proper documentation to support this request.

1.1.4.1 Class Schedule

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

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

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

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

Please note that the last day of classes in a term varies according to a course's schedule pattern (e.g., Mon-Wed-Fri, Tues-Thurs, Monday only, etc.). You may verify these details at mcgill.ca/importantdates/key-dates.



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



Note for Medicine: This section is not applicable to M.D.,C.M. students; see mcgill.ca/ugme.

1.1.4.2 Course Numbering

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

The first four characters (subject code) refer to the unit offering the course.

These codes were implemented in September 2002, replacing the three-number teaching unit codes previously used. A complete list of teaching unit codes and their subject code equivalents can be found at 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 identifies 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. Single term courses are identified by a seven-character course number.

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

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

Courses with numbers ending in D1 and D2 are taught in two consecutive terms (most commonly Fall and Winter). *You must register for the same section of both the D1 and D2 components.* When registering for a Fall term D1 course on Minerva, you will automatically be registered in the same section of the Winter term D2 portion. No credit will be given unless the same section of both components (D1 and D2) are successfully completed in consecutive terms, e.g., Fall 1821 and Winter 1822.

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

Courses with numbers ending in J1, J2, and J3 are taught over three consecutive terms. *You must register for the same section of all three components (J1, J2, J3).* No credit will be given in J1, J2, and J3 unless all three components are successfully completed within a twelve (12) month period.

and the Winter add/drop deadline, you are withdrawn from the University. If you *withdraw* from all of your courses by the Fall or Winter withdrawal deadlines you are withdrawn from the University.

To withdraw from the University by the deadlines indicated below, you must drop or withdraw from all courses on *Minerva*. If you are blocked from dropping or withdrawing from your last course on Minerva, you are required to contact your Student Affairs Office, which will supply any forms necessary to complete the University withdrawal **as long as you have not missed the deadline for University withdrawal**.

To return to your studies, you must follow the procedures for readmission. For more information, refer to [University Regulations & Resources](#) > Undergraduate > Registration > : [Readmission](#).

1.1.5.2.1 Fall Term

From September 1 to September 13, 2022 a *drop* of all courses constitutes a University withdrawal with refund (minus \$200 for returning students and the registration deposit for new students). After September 13 and until the deadlines indicated below, you may *withdraw* from all courses to effect a University withdrawal.

- Deadline for University withdrawal with refund (minus \$200 for returning students and the registration deposit for new students): **Tuesday, September 20, 2022**
- Deadline for University withdrawal without refund: **Tuesday, October 25, 2022**

1.1.5.2.2 Winter Term

From January 1 to January 17, 2023 a *drop* of all courses constitutes a University withdrawal with refund (minus \$200 for returning students and the registration deposit for new students). After January 17 and until the deadlines indicated below, you may *withdraw* from all courses to effect a University withdrawal.

- Deadline for University withdrawal with refund (minus \$200 for returning students and the registration deposit for new students): **Tuesday, January 24, 2023**
- Deadline for University withdrawal without refund: **Tuesday, March 7, 2023**



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



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



Note for the Faculties of Arts and Science (including B.A. & Sc.): If you want to withdraw after the deadlines indicated above, under exceptional circumstances you may be granted permission for University withdrawal. Requests are made at [Service Point](#) (3415 McTavish Street). However, it

1.1.6 Summer Studies

Detailed information about summer registration is available as of March at mcgill.ca/gps/students/registration/dates.

The Class Schedule, available at mcgill.ca/students/courses, should be consulted for a complete listing of undergraduate and graduate-level courses.

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

Course registration for graduate students takes place via *Minerva* for the Summer term. It is the responsibility of the student to register for courses within deadlines, after obtaining departmental approval.

Students in thesis programs, who pay fees on a per term basis and who have already paid full-time tuition fees during the preceding year are not required to pay for required courses taken in the summer. If you are registered in a thesis program in Additional Session status, you will be charged Additional Session fees in the Summer term. Students in non-thesis programs will be charged fees for courses taken in the summer. **Registration for “summer studies” should not be confused with summer term of residency in a graduate program. For more information, see [section 1.1.3.3: Summer Registration](#) .**

Many summer courses have limited enrolment and students are advised to register early. Graduate students intending to register for restricted undergraduate courses must complete a *Request for Registr*



degree permits it and the degree has an overall credit requirement greater than 45 credits. In other words, instances where exemptions with credit may be granted will be limited to the credit amount beyond the minimum of 45 credits for a McGill master's degree. The one-third rule as described above continues to apply.

Research and Thesis – Master's Degrees

All candidates for a research degree must present a thesis based on their own research. The total number of credits allotted to the thesis in any master's program must not be less than 24. The title of the thesis and the name of the examiner must be forwarded on a *Nomination of Examiners* form, available at mcgill.ca/gps/thesis/thesis-guidelines/initial-submission, in accordance with the dates on mcgill.ca/importantdates, through the Unit head or delegate of the department concerned at the same time that the thesis is submitted to Graduate and Postdoctoral Studies. A thesis for the master's degree, while not necessarily requiring an exhaustive review of work in the particular field of study, must show familiarity with previous work in the field and must demonstrate the ability to carry out research, organize results, and defend the approach and conclusions in a scholarly manner according to disciplinary norms. The thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain. The thesis will not normally exceed 100 pages; in some disciplines, shorter texts are preferred. Guidelines and deadlines are available at mcgill.ca/gps/thesis/thesis-guidelines.

Language Requirements – Master's Degrees

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

1.1.7.2 Doctoral Degrees

Residency Requirements – Doctoral

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

Only exceptional candidates holding a bachelor's degree will be considered for direct admission to Ued to Graduadmission tolias, measured 4e n373ill be consivs, meas

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.

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),

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).

Satisfactory/Unsatisfactory — *Not used on the transcripts of Graduate students.*

W — withdrew with approval; a course dropped, with permission, after the Course Change deadline; not calculated in TGPA or CGPA.

WF — withdrew failing; a course dropped, with special permission in an exceptional case, after faculty deadline for withdrawal from course, the student's performance in the course at that stage being on the level of an F; not calculated in TGPA or CGPA. (Not used by Music and graduate students.)

WL — withdrew from deferred examination; faculty permission to withdraw from a deferred examination (approved by the Assistant Registrar, Records); not calculated in TGPA or CGPA.

W- or -- — no grade; student withdrew from the University, not calculated in TGPA or CGPA.

1.1.8.1.1 Unexcused Absences

All students who miss a final exam or do not complete other final work in a course are given a J grade. You then have the following options:

1. Ask to be assigned a grade based only on the grades earned for your work submitted up to, but not including, the final exam or final course work.
The grade earned is calculated by adding the grades obtained on the individual pieces of work and a grade of 0 for the portion of the final grade allocated to the final exam or final course work. This option is not available if the professor stipulated in the course outline that the final exam is a required part of the evaluation.
2. Request a deferred exam, if you have the appropriate reasons and documentation.
3. Apply for a supplemental exam if permitted by your faculty.



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



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



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

You must request option 1 no later than four months after the end of the examination period of the original course.

You must request option 2 by the faculty deadlines as indicated in [Un](#)

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 would 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 would 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 would be asked to **authorise 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 would be asked to



Note for Graduate and Postdoctoral Studies: You should direct any questions or problems with your record to your [Graduate Program/Director](#).

1.1.8.2.4 Official Transcripts

For more information on transcripts, applicable costs, delivery method, and processing time, see mcgill.ca/student-records/transcripts.

r **Currently Registered Students:** Use [Minerva](#) to order an official transcript at *Student Menu > Student Records Menu > Request/Official Transcript*.

Alumni or former students who were registered or graduated as of 1972 or later: You **must** submit your request in [Minerva](#) at *Student Menu > Student Records Menu > Request/Official Transcript* and will require login credentials. Please contact the IT Service Desk (mcgill.ca/it) to obtain your McGill ID & Minerva PIN.

Alumni or former students who were registered or graduated prior to 1972 (archived records): You must submit an online *Request for Archived Official Transcript* located at: mcgill.ca/student-records/transcripts/printed-transcripts and will be required to provide a copy of a gov

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



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

1.1.10 Academic Integrity

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

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

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



Note: All newly-admitted undergraduate students must complete a **mandatory online academic integrity tutorial** in their first semester, accessed through *Minerva* > *Student Menu* > *Academic Integrity Tutorial* or a registration "hold" will be placed on their record. Prior to Fall 2018, the tutorial was completed in myCourses via the course AAAA 100, but as of Fall 2018 the tutorial must be completed in Minerva. For more information, see mcgill.ca/students/srr/honest/students/test.



Note for Graduate and Postdoctoral Studies: Graduate students must complete a **mandatory online academic integrity tutorial** accessed through *Minerva* > *Student Menu* > *Academic Integrity Tutorial*. All newly-admitted graduate students must complete the tutorial within their first semester or a registration "hold" will be placed on their record. For more information, see mcgill.ca/students/srr/honest/students/test.

1.1.11 Identification and Personal Information

The following sections include information regarding McGill ID cards, updating your personal information, and more.

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;
- 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 attach your ID card to the withdrawal form or return it to Enrolment Services (or the Faculty of Agricultural and Environmental Sciences, Student Affairs Office, Macdonald Campus).

- New students must be registered for at least one course to obtain an ID card.
- You must allow 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 as long as you hand in the ID card.
- If you change programs or faculties, there is no charge to issue a new card as long as you hand in the ID card.
- If your card has been lost, stolen, or damaged, there is a replacement fee; please see the *Student Records* website for an exact fee amount.
- If you need security access to labs or other facilities please contact the Area Access Manager (AAM) of the building in which the room is located. To find out who the AAM is, consult the *Find the AAM* list on the *Security Services website*.



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

1.1.11.1.1 ID Card Schedule for the Downtown Campus

The locations and opening hours of ID card centres can be found on the Student Information website at mcgill.ca/student-records/personal-information/id.

- New students can obtain their ID card 24 hours after registering for their first course. Registration dates for new students can be found [here](#).
- Returning students must be registered for at least one course, and may present themselves at an ID card centre during their operational hours at any time in order to obtain a replacement card. Please refer to the following site for information on the downtown campus ID centre: mcgill.ca/student-records/personal-information/id.

1.1.11.1.2 ID Card Schedule for the Macdonald Campus

New students can obtain their ID card 24 hours after registering for their first course. Registration dates for new students can be found [here](#).

The Macdonald Campus ID Centre is in the Student Affairs Office, Laird Hall, Room 106. Information on when the ID Centre is open can be found [here](#).

1.1.11.2 Legal Name and Gender

1.1.11.2.1 Legal Name

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

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

1. Canadian birth certificate, copy of an act of birth, or citizenship certificate
2. Canadian Immigration Record of Landing (IMM 1000 or IMM 5292 or IMM 5688 and Permanent Residence card)
3. Canadian Immigration Study or Work Permit
4. Certificate of Acceptance of Quebec (CAQ)
5. International passport (**Note:** If you possess Canadian citizenship, a Canadian citizenship card or certificate is required as a Canadian passport is not acceptable)
6. International birth certificate (with an official translation in English or French)
7. Letter from international student's consulate or embassy in Canada
8. Marriage certificate issued outside of Quebec (translated into English or French by a sworn officer if in another language). *Note that Quebec marriage certificates are only acceptable if issued prior to 1984*
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 about, 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 TIF format) to legaldocumentation@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 hav

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 may be used on all unofficial university documents and tools, such as:

- McGill ID cards
- Class lists
- Student advising transcripts

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

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

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

You can also request that your preferred first name be part of your McGill email address by submitting a change to Network and Communications Services (NCS) via the *REGGIE* tool. For further details, see mcgill.ca/student-records/personal-information/address, which includes the Preferred First Name FAQ.

1.1.11.4 Verification of Name

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

Note that you cannot change your legal name via Minerva. Requests for such changes must be made by presenting official documents (see [section 1.1.11.2: Legal Name and Gender](#) and [section 1.1.11.3: Preferred First Name](#)) in person at *Service Point*, 3415 McTavish Street, Montreal QC H3A 0C8.



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 records up to date with your personal information, especially your mailing or billing address, as these are used by the University year-round.

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

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

If you need to change important personal information that requires the University to verify official documents—such as a name or citizenship change, or a correction of your birth date—refer to the instructions at mcgill.ca/student-records/personal-information/address. 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 or 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, for every term they are registered in the online program, where they are geographically located while studying. 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 Nur*

1.1.12.1 Why Does McGill Collect Legal Documents from You?

Your tuition status at McGill will vary depending on your legal status in Canada. In order for us to determine your appropriate rate of tuition (Quebec, Canadian out-of-province, or international), we require documentation confirming your current status. We also require these documents to confirm your valid citizenship/immigration status. To find out which documents you must provide—and when they are required—refer to: [section 1.1.12.2: What Documents Does McGill Need from You?](#)

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

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



Note for Medicine and Health Sciences: Once admitted to the Faculty, you will be required to provide additional documentation for the purposes of admission and registration. Details are provided in the application instructions. For more information, see mcgill.ca/medadmissions/applying/elements.

1.1.12.2 What Documents Does McGill Need from You?

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

Quebec and Canadian Out-of-Province Students

You have applied to McGill directly from CEGEP or you already have a student record at McGill	<ul style="list-style-type: none"> • Usually no documents are required to prove your Canadian and/or Quebec status. In most cases, your status is confirmed to us by the Government of Quebec or is already in your McGill record. Check your Minerva account to verify that your status is updated correctly (Select <i>Student Menu</i> > <i>Student Accounts Menu</i> > <i>View your Tuition and Legal Status</i>)
You have applied to McGill from another Quebec university	<ul style="list-style-type: none"> • Proof of Canadian status is required: Canadian birth certificate; or Canadian citizenship card or certificate (both sides); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Confirmation of Permanent Residence document (<i>Note 2</i>); or valid Canadian Permanent Resident card (both sides of the card) • Additionally, for Quebec residency status, usually no documents are required, unless McGill cannot confirm this from the Government of Quebec. Check your Minerva account to verify that your status is correct
You were born in Quebec	<ul style="list-style-type: none"> • Quebec birth certificate (<i>Note 4</i>)
You were born in (or are a Landed Immigrant from) a Canadian province other than Quebec	<ul style="list-style-type: none"> • Canadian birth certificate; or Canadian citizenship card or certificate (both sides); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Confirmation of Permanent Residence document (<i>Note 2</i>); or valid Canadian Permanent Resident card (both sides of the card) • Permanent Code Data Form (<i>Notes 1 and 5</i>)
You are a Quebec resident as defined by one of the other situations outlined by the Government of Quebec	<ul style="list-style-type: none"> • Canadian birth certificate; or Canadian citizenship card or certificate (both sides); or Certificate of Indian status card; or Makivik Society card; or valid Canadian Confirmation of Permanent Residence document (<i>Note 2</i>); or valid Canadian Permanent Resident card (both sides of the card) • Permanent Code Data Form (<i>Notes 1 and 5</i>) • Attestation of Residency in Quebec Form (<i>Note 5</i>) • Other supporting documents, depending on which situation you checked on the above Attestation of Residency Form

International Students

You will be studying at McGill for less than six months (i.e., for only one academic semester) as a non-degree student (e.g., Exchange, Special, Visiting)	<ul style="list-style-type: none"> • You may need a Visitor's Permit or eTA issued by Immigration, Refugees, and Citizenship Canada at your port of entry into Canada. To determine if you are required to have a visa, please refer to the Immigration and Citizenship website
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International Students

- Photo page of your passport
- Permanent Code Data Form (Notes 1 and 5)

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

- Certificate of Acceptance of Quebec (CAQ)
- Study Permit issued by Immigration Canada (Note 3)
- Permanent Code Data Form (Notes 1 and 5)

Note 1: Your signed Permanent Code Data F



Note:

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. The Application for Graduation is available on Minerv

1. Via *Service Point Checkout eStore* – Follow the instructions found at mcgill.ca/graduation/diplomas first, then to submit the order go to spcheckout.mcgill.ca.
2. In person:
 - Come to *Service Point* with a photocopy of your original diploma on 8.5" x 11" paper in landscape mode, making certain to reduce it so that all seals and signatures are visible, and indicate how many copies you need;
 - Indicate if you require certified translations, and if yes, in what language (i.e., English or French);
 - Pay the CAD\$15 per copy fee payable via **debit card only**.



Note: Requests made on behalf of a student must be accompanied by a signed letter of authorization from the student.

1.1.13.4 Aegrotat Standing and Degree at McGill University

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

At McGill, this designation may be considered if a student has completed 75% or more of their degree program requirements and based on a serious medical situation or other extenuating circumstance is unable to complete their program requirements. If approved, this could result in the awarding of an aegrotat degrotatgrotatrotat

To learn how to safely use cloud apps and solutions, please refer to our [Cloud Services Page](#).

1.1.14.4 Two-factor Authentication (2FA)

All student, faculty and staff accounts are protected with *two-factor authentication (2FA)*, an additional security measure that requires a secondary method of authentication (ex.: acknowledging a prompt or entering a code sent to your mobile device via a mobile app) when signing into many McGill systems. 2FA makes it much harder for cybercriminals to access your account and your personal information, even if they obtain your password. 2FA is required for all higher education institutions in Canada.

Find out more about 2FA at mcgill.ca/2fa.

1.1.14.5 Email Communication

All students are assigned a McGill email address (usually in the form of *firstname.lastname@mail.mcgill.ca*) and are given a McGill email mailbox. It is your responsibility to monitor your McGill email regularly because this is the official means of communication between McGill University and its students. Ensure that you read and act upon the emails in a timely fashion.

To access your McGill email, go to the Microsoft Office website and sign in with your McGill username and password.



Note: Confirm your McGill email address or set your McGill password on *Minerva*, under the *Personal Menu*. You can also change or reset your McGill password by following the instructions on the [McGill Password Reset Checklist](#).

If you have another email account using an external service provider (such as Gmail, Hotmail, Yahoo, etc.), please review the "[Options for dealing with multiple email services](#)" article on the IT Knowledge Base.

For more information, visit the [IT Knowledge Base](#) or contact the [IT Helpdesk](#) at it@mcgill.ca or [514-398-1111](tel:5143981111).

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 Fall term will be automatically enrolled in the applicable Students' Society's (SSMU, MCSS, or PGSS) supplemental

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

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 he or she was 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 (including failure of a supplemental exam):

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

Requesting an appeal in case of withdrawal due to failure:

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

A student who wishes to submit an appeal must:

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

Note: A student in a graduate program who has failed one course while being a Special Student in graduate studies will have this failure count as a first failure in a related graduate program. Any further failure will require withdrawal from the program of study.

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

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

2. Procedures

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

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

2.3. If progress is judged unsatisfactory, a follow-up progress tracking meeting must occur not sooner than 4 months and not later than 6 months after the first report. A deadline for the follow-up meeting must be indicated on page 2 of the form. If progress is judged satisfactory at the follow-up meeting, the timing of the next progress tracking meeting will be determined by the regular deadlines indicated in myProgress milestones for the student's program.

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

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

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

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

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

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

1.2.4 Graduate Student Supervision

1. Principles

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

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

2. Supervisors and Supervisory Committees

2.1. Although procedures and timeframes for choosing supervisors and supervisory committees may vary across programs, they must be consistent within a particular program and must be made clear to students. Units should consider the availability of student support, research facilities, space, and availability of potential supervisors in determining the number of students admitted into the program.

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

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

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

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

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

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

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

2.9. The Chair of the academic unit (or delegate) must address serious disagreements that may arise, for example, between a student and a supervisor or between a supervisor and committee members. If the issue cannot be resolved at the unit level, or in the case of confidentiality concerns, then an

Associate Dean from Graduate and Postdoctoral Studies must be contacted to facilitate a resolution. The Chair must correspond with all parties concerning the decision, proposed actions, and resulting implications 10 working days prior to any action being taken. Appeals of the Chair's decision must be addressed to the Associate Dean (Graduate and Postdoctoral Studies).

3. Orientation

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

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

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

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

During a **leave of absence for parental or familial reasons**, a student will **not** be eligible to take courses but he/she may request and expect guidance on thesis and research work. Students and postdocs will have free access to the University's academic facilities. Library services will continue to be available by registering at the [Humanities and Social Sciences Library](#) (McLennan-Redpath).

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



NOTES:

- Requests for a leave of absence due to health, familial, or parental reasons must be supported by a medical certificate.
- Requests for a leave of absence due to professional development are for activities that preclude progress toward the degree.
- A request for leave without proper justification and supporting documents will **not** be considered.
- A request for retroactive leave of absence will **not** be considered.
- No tuition fees will be charged for the duration of the authorized leave.
- A Leave of

Failures

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

The student must be informed in a face-to-face meeting and in writing by the department that they have failed the comprehensive. At this meeting and in the written document, the student must be informed of conditions relating to a repeat of the examination, including the nature of the re-examination and committee membership, as well as the deadline for retaking the exam. Units have the right to specify further requirements in the event of failure, e.g., requiring students to take an additional course or courses in areas where they have shown weakness on the comprehensive.

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

Appeals

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

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

1.2.11 Admission of Former Students

Students who have reached time limitation, who have officially withdrawn from the University by submitting a [Withdrawal Form](#), or who are not currently registered are eligible to be considered for readmission into their program. The student's academic unit must recommend that the student be readmitted, stipulating any conditions for readmission that it deems appropriate. If the student's unit chooses not to recommend readmission, the student may appeal to the Associate Dean (Graduate and Postdoctoral Studies). The decision of the Associate Dean (Graduate and Postdoctoral Studies) shall be final and not subject to further appeal.

Procedure: Requirements for completion of the program will be evaluated. Some of these requirements may need to be redone or new ones may be added. Fees will be based on the term of readmission up to the time limit of the degree (i.e., Master's 3 or PhD7) plus the term of readmission. Applicants should direct questions regarding fees to the appropriate [Graduate Program Coordinator/Administrator](#).

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

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

Senate – March 23, 2016.

1.2.12 Time Limitation

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

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

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

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

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

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

Senate, April 20, 2016.

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](#).

Faculty of Dental Medicine and Oral Health Sciences	Degrees Available
<i>section 4.12.1: Faculty of Dental Medicine and Oral Health Sciences</i>	M.Sc. Ph.D.
Desautels Faculty of Management	Degrees Available
<i>section 10.12: Desautels Faculty of Management</i>	M.B.A., M.B.A. with Integrated B.C.L./LL.B., M.B.A. & M.D.,C.M., M.B.A./Japan, E.M.B.A., M.M., Ph.D., Graduate Certificate
Faculty of Education	Degrees Available
<i>section 5.12.1: Educational and Counselling Psychology</i>	M.A., M.Ed., Ph.D., Graduate Diploma
<i>section 5.12.2: Integrated Studies in Education</i>	M.A., Ph.D., Graduate Certificate
<i>section 5.12.3: Kinesiology and Physical Education</i>	M.A., M.Sc., Ph.D.
Faculty of Engineering	Degrees Available
<i>section 6.12.1: Architecture</i>	M.Arch., Ph.D.
<i>section 8.12.1: Biological and Biomedical Engineering</i>	M.Eng., Ph.D.
<i>section 6.12.3: Chemical Engineering</i>	M.Eng., Ph.D.
<i>section 6.12.4: Civil Engineering</i>	M.Sc., M.Eng., Ph.D.
<i>section 6.12.5: Electrical and Computer Engineering</i>	M.Sc., M.Eng., Ph.D.
<i>section 6.12.6: Mechanical Engineering</i>	M.Sc., M.Eng., Ph.D.
<i>section 6.12.7: Mining and Materials Engineering</i>	M.Sc., M.Eng., Ph.D., Graduate Diploma
<i>section 6.12.8: Urban Planning</i>	M.U.P., Ph.D.
Faculty of Law	Degrees Available
<i>section 9.12.1: Law</i>	LL.M., D.C.L., Graduate Certificate, M.S.W. & B.C.L./J.D.
Bieler School of Environment	Degrees Available
<i>section 7.12.1: Environment</i>	N/A
Faculty of Medicine and Health Sciences	Degrees Available
<i>section 11.12.2.2: Anatomy and Cell Biology</i>	M.Sc., Ph.D.
<i>section 11.12.2.3: Biochemistry</i>	M.Sc., Ph.D.
<i>section 11.12.4.2: Bioethics</i>	N/A
<i>section 8.12.1: Biological and Biomedical Engineering</i>	M.Eng., Ph.D.
<i>section 11.12.2.4: Biomedical Engineering</i>	Graduate Certificate
<i>section 11.12.3: Communication Sciences and Disorders</i>	M.Sc., M.Sc.A., Ph.D.
<i>section 11.12.4.3: Epidemiology and Biostatistics</i>	M.Sc., Ph.D.
<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 8.12.2: Neuroscience (Integrated Program)</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.

Faculty of Medicine and Health Sciences	Degrees Available
section 11.12.2.8: Physiology	M.Sc., Ph.D.
section 11.12.1.9: Psychiatry	M.Sc.
section 11.12.1.10: Surgery, Experimental	M.Sc., Ph.D., Graduate Certificate, Graduate Diploma
Ingram School of Nursing	Degrees Available
section 13.12.1: Nursing	M.Sc.A., Ph.D., Graduate Certificate, Graduate Diploma
School of Physical and Occupational Therapy	Degrees Available
section 14.14.1.2: About the School of Physical and Occupational Therapy	M.Sc., M.Sc.A., Ph.D., Graduate Certificate
Schulich School of Music	Degrees Available
section 12.12.1: Schulich School of Music	M.A., M.Mus., D.Mus., Ph.D., Graduate Artist Diploma, Graduate Certificate, Graduate Diploma
Faculty of Science	Degrees Available
section 15.12.1: Atmospheric and Oceanic Sciences	M.Sc., Ph.D.
section 15.12.2: Biology	M.Sc., Ph.D.
section 15.12.3: Chemistry	M.Sc., Ph.D.
section 15.12.4: Computer Science	M.Sc., Ph.D.
section 15.12.5: Earth and Planetary Sciences	M.Sc., Ph.D.
Geography (Science > Graduate > Browse Academic Units & Programs > Geography)	M.Sc., Ph.D.
Mathematics and Statistics (Science > Graduate > Browse Academic Units & Programs > Mathematics and Statistics)	M.Sc., Ph.D.
section 15.12.8: Physics	M.Sc., Ph.D.
Psychology (Science > Graduate > Browse Academic Units & Programs > Psychology)	M.Sc., Ph.D.

1.3.2 Master's Degrees Available at McGill

The following list shows all of the master's degrees available at McGill, along with their prerequisites. See [section 1.3.2.1: Master's Degree Programs and Specializations](#) for more information on specific programs and options.

Degree	Prerequisites
Master of Architecture M.Arch.	Professional degree – McGill B.Sc.(Arch.) degree, or equivalent.
Master of Arts M.A.	Bachelor of Arts in the subject selected for graduate work. See appropriate unit. An undergraduate degree from an appro

Degree		Prerequisites
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 section 12.12.1: Schulich School of Music.</p>
Master of Sacred Theology	S.T.M.	<p>B.A. with specialization in religious studies or theology. See section 3.12.23.3: Religious Studies Admission Requirements and Application Procedures.</p>
Master of Science	M.Sc.	<p>Bachelor of Science in the subject selected for graduate work. See appropriate unit.</p>
Master of Science, Applied	M.Sc.A.	<p>A bachelor's degree in the subject selected for graduate work. See appropriate unit.</p> <p>Bachelor's degree in Social Work including courses in statistics and social</p>

Master of Education (M.Ed.)

Educational Psychology	Non-Thesis	Family Life Education, General Educational Psychology, General Educational Psychology: Project, Inclusive Education, Inclusive Education: Project, Learning Sciences
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Master of Engineering (M.Eng.)

Aerospace Engineering	Non-Thesis	N/A
Biological and Biomedical Engineering	Thesis	N/A
Chemical Engineering	Thesis, Non-Thesis	Environmental Engineering (Non-Thesis)
Civil Engineering	Thesis, Non-Thesis	Environmental Engineering (Non-Thesis)
Electrical Engineering	Non-Thesis	N/A
Materials Engineering	Thesis, Non-Thesis	Environmental Engineering (Non-Thesis)
Mechanical Engineering	Non-Thesis	N/A
Mining Engineering	Thesis, Non-Thesis	Environmental Engineering (Non-Thesis)

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

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

Information Studies	Non-Thesis	Project
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Master of Laws (LL.M.)

Law	Thesis, Non-Thesis	Bioethics (Thesis) Air and Space Law, Comparative Law, Environment (Thesis and Non-Thesis)
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Master of Management (M.M.)

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

Master of Music (M.Mus.)

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

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

Public Policy	Non-Thesis	N/A
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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

Master of Science (M.Sc.)

Biology

Thesis

Bioinformatics, Environment, Neotropical Environment

En

Master of Science (M.Sc.)

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 Clinical Practice, Nursing, Nursing: Global Health, Mental Health Nurse Practitioner, Neonatology Nurse Practitioner, Nursing Services Administration, Pediatric Nurse Practitioner, Primary Care Nurse Practitioner, Adult 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	N/A
Social Work	Non-Thesis	Couple and Family Therapy

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

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

Social Work	Thesis, Non-Thesis	Gender and Women's Studies (Thesis) International Partner Program, Gender and Women's Studies (Non-Thesis)
Joint Master of Social Work with B.C.L. and J.D.	Non-Thesis	N/A

Master of Urban Planning

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

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
Doctor of Civil Law	D.C.L.	B.C.L. or LL.B. and usually LL.M. See section 9.12.1: Law .

Degree		Prerequisites
Doctor of Music	D.Mus.	M.A. in Composition (D.Mus. in Composition) or a master's degree in Performance, and professional and teaching experience (D.Mus. in Performance). See section 12.12.1: Schulich School of Music .
Doctor of Philosophy	Ph.D.	An undergraduate degree relevant to the subject chosen for graduate work. Some departments require all Ph.D. candidates to hold a master's degree in the same subject. Departments may recommend that candidates of undoubted promise should be allowed to proceed directly to the Ph.D. degree without being required to submit a master's thesis.
Joint Doctor of Philosophy	Ph.D.	Joint Ph.D.s are offered in co-operation with other universities.
<i>Ad Hoc</i> Doctor of Philosophy	Ph.D. (<i>Ad Hoc</i>)	Several departments offer the possibility of directly entering a Ph.D. program on an <i>ad hoc</i> basis, or, with the permission of the supervisor and the approval of the Graduate Program Director, exceptional students may transfer from the master's program to the <i>ad hoc</i> Ph.D. program.

1.3.3.1 Doctoral Degree Programs and Specializations

Program	Options	Offered by Faculty/School
Doctor of Civil Law (D.C.L.)		
Doctoral programs are offered in Air and Space Law and Law (Comparative Law). Both are predominantly research degrees awarded on the basis of a thesis that represents an original contribution to the development of legal science.		
Law	Air and Space Law, Comparative Law	Faculty of Law
Doctor of Music (D.Mus.)		
The Doctor of Music degree is offered in Composition. The Doctoral thesis consists of a musical composition of major dimensions together with a written analysis of the work. The composition is presented by the candidate in concert. The regulations set forth for the Ph.D. generally apply also to the D.Mus.		
The Doctor of Music degree is also offered in Performance. It is offered to professional musicians who wish to teach at the university level and to develop a specialization in a particular repertoire, approach, or discipline (musicology, music theory, music education and pedagogy, or music technology).		
Music	Composition, Performance Studies	Schulich School of Music
Doctor of Philosophy (Ph.D.)		
Animal Science	Bioinformatics	Faculty of Agricultural and Environmental Sciences
Anthropology	Neotropical Environment	Faculty of Arts
Architecture	N/A	Faculty of Engineering
Art History	Gender and Women's Studies	Faculty of Arts
Atmospheric and Oceanic Sciences	N/A	Faculty of Science
Biochemistry	Bioinformatics, Chemical Biology	Faculty of Medicine and Health Sciences
Biology	Bioinformatics, Environment, Neotropical Environment	Faculty of Science
Biological and Biomedical Engineering	N/A	Faculty of Engineering, Faculty of Medicine and Health Sciences
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

Doctor of Philosophy (Ph.D.)

Pharmacology	N/A	Faculty of Medicine and Health Sciences
Philosophy	Environment, Gender and Women's Studies	Faculty of Arts
Physics	N/A	Faculty of Science
Physiology	Bioinformatics, Chemical Biology	Faculty of Medicine and Health Sciences
Plant Science	Bioinformatics, Environment, Neotropical Environment	Faculty of Agricultural and Environmental Sciences
Political Science	Gender and Women's Studies	Faculty of Arts
Psychology	Behavioural Neuroscience, Language Acquisition, Psychosocial Oncology	Faculty of Arts, Faculty of Science
Quantitative Life Sciences	N/A	Faculty of Medicine and Health Sciences
Rehabilitation Science	N/A	School of Physical and Occupational Therapy
Religious Studies	Gender and Women's Studies	Faculty of Religious Studies
Renewable Resources	Environment, Neotropical Environment	Faculty of Agricultural and Environmental Sciences
Russian	N/A	Faculty of Arts
School/Applied Child Psychology	N/A	Faculty of Education
Social Work	N/A	Faculty of Arts
Sociology	Gender and Women's Studies, Population Dynamics	Faculty of Arts

Joint Doctor of Philosophy (Ph.D.)

Nursing	N/A	McGill / Université de Montréal
Management	N/A	McGill / Concordia / H.E.C. / UQAM
Social Work	N/A	McGill / Université de Montréal

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

East Asian Studies	N/A	Faculty of Arts
Italian Studies	N/A	Faculty of Arts
Jewish Studies	N/A	Faculty of Arts

1.3.4 Postdoctoral Research

See [section 2.8: Postdoctoral Research](#) for information about postdoctoral research at McGill University.

1.3.5 Graduate Diplomas and Graduate Certificates

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

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

Graduate Diplomas

Clinical Research	Neonatal Nurse Practitioner
Medical Radiation Physics	Pediatric Nurse Practitioner
Mental Health Nurse Practitioner	Primary Care Nurse Practitioner
Mining Engineering	Registered Dietitian Credentialing (R.D.)
Music Artist	School/Applied Child Psychology (Post-Ph.D.)
Music Performance	Surgical Innovation

Graduate Certificates

Air and Space Law	Pédagogie de l'immersion française
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Graduate Certificates

Bioinformatics

Biotechnology

Chronic Pain Management

Comparative La

Performance Choral Conducting

Post-M.B.A.

Post-M.B.A. Japan

Professional Accounting

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



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

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

The applicant must present e

1.4.4 Admission Tests

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

CASPer

The CASPer test is an individual online test that assesses for non-academic attributes or people skills. For further information, see takecasper.com/about-casper/.

Graduate Record Examination (GRE)

The Graduate Record Examination (GRE) (Educational Testing Service, Princeton, NJ 08540) consists of a relatively advanced test in the candidates' specialty, and a general test of their attainments in several basic fields of knowledge for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination takes about eight hours, and there is a registration fee. Refer to www.ets.org/gre for further information. Only some academic units require applicants to write the GRE examination, but all applicants who have written either the general aptitude or the advanced test are advised to ensure that official test results are sent to McGill directly by the testing service.

This credential is of special importance in the case of applicants whose education has been interrupted, or has not led directly toward graduate study in the subject selected. In such cases, the academic unit has the right to insist on a report from the GRE or some similar test. High standing in this examination will not by itself guarantee admission.

Graduate Management Admissions Test (GMAT)

Applicants to graduate programs in Management must ensure that official results are released to McGill by the Graduate Management Admission Council (GMAC). The test is a standardized assessment offered by the GMAC to help business schools assess candidates for admission. For further information, see www.mba.com/exams/gmat.

1.4.5 Competency in English

Applicants to graduate studies must demonstrate an adequate level of proficiency in English **prior to admission**, regardless of citizenship status or country of origin.

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

1. Mother tongue (language first learned and still used on a daily basis) is English.
2. Has obtained (or is about to obtain) an undergraduate or graduate degree from a recognised institution in Canada or the United States of America (anglophone or francophone).
3. Has obtained (or is about to obtain) an undergraduate or graduate de

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.

1.4.7 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

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For information, contact:

myFuture: caps.myfuture.mcgill.ca

1.7.3.3 First Peoples' House

Promotes and supports Indigenous student success and well-being in a culturally welcoming environment.

3505 Peel Street

Telephone: 514-398-3217

Email: firstpeopleshouse@mcgill.ca

Website: mcgill.ca/fph

1.7.3.4 International Student Services (ISS)

Offers support to international students; orientation and transition programs; and immigration and health insurance information.

Brown Student Services Building, East Wing, Suite 5100

Website: mcgill.ca/osd

1.7.3.8 Office of Sustainability

Supports McGill's goal to become an institutional model of sustainability for society. Whether you have a project in mind, or just a lot of questions, there are many ways for you to get involved with sustainability at McGill.

Sherbrooke 1010 Building, Suite 1200

Telephone: 514-398-2268

Email: sustainability@mcgill.ca

Website: mcgill.ca/sustainability

1.7.3.9 Scholarships and Student Aid Office

Provides assistance in the form of bursaries, loans, and Work Study programs to students requiring financial aid; administers government aid programs; and promotes financial wellness through tools and workshops.

Brown Student Services Building, East Wing, Suite 3200

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

Telephone: 514-398-6013

Student Aid email: student.aid@mcgill.ca

Scholarships email: scholarships@mcgill.ca

Website: 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

Website: mcgill.ca/wellness-hub

Macdonald Campus

Centennial Centre, Room 124

Telephone: 514-398-7992

Website: mcgill.ca/macdonald-studentservices/health-wellness

1.7.3.11 Tutorial Services

Sponsors an extensive peer matching tutoring program for students.

1010 Sherbrooke Street W., Suite 410

Telephone: 514-398-2505

Email: tutoring.service@mcgill.ca

Website: mcgill.ca/tutoring

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/studentservices/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

Website: mcgill.ca/macdonald-studentservices

A list of services available is given below. For detailed information, please visit [our website](#) and the main [Student Services website](#).

- [section 1.7.4.1: Career Planning Service \(CaPS\)](#)
- [section 1.7.4.2: International Student Services \(ISS\)](#)
- [section 1.7.4.3: Office for Student Accessibility & Achievement](#)
- [section 1.7.4.4: Student Wellness Hub](#)
- [section 1.7.4.5: Scholarships and Student Aid](#)
- [section 1.7.4.6: Other Services](#)

1.7.4.1 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.

Telephone: 514-398-3304

Email: careers.caps@mcgill.ca

Website: mcgill.ca/caps

myFuture: caps.myfuture.mcgill.ca

1.7.4.2 International Student Services (ISS)

Of

1.7.4.5 Scholarships and Student Aid

Provides assistance in the form of bursaries, loans, and Work Study programs to students requiring financial aid; administers government aid programs; and promotes financial wellness through tools and workshops.

Telephone: 514-398-6013

Website: mcgill.ca/studentaid

1.7.4.6 Other Services

The following resources available to students are external to the Student Services office.

Office of Sustainability

McGill's Office of Sustainability, located in the Downtown campus, sends representatives to Macdonald campus every month to support McGill's goal to become an institutional model of sustainability for society. Whether you have a project in mind, or just a lot of questions, there are many ways for you to get involved with sustainability at McGill.

Telephone: 514-398-2268

Email: sustainability@mcgill.ca

Website: mcgill.ca/sustainability

1.7.5 Residential Facilities

McGill residences offer you a variety of accommodations that reflect the diversity of our student population on both the Downtown and Macdonald campuses.

Mission statement

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

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

Kitchens

.O. Box 0 8ffc67.52 682.94 hfg6 1 68.36 T – Macdonald CaefitsTm(MC

EcoResidence				
	Rent will be charged in equal monthly installments of:	oneCard Fees	Activity Fees	Annual Fees (2021-2022 amounts)
Duplex 20 units (40 beds) Single Room - 8 month	\$625	\$150	\$30	\$5,180
Sixplex 10 units (60 beds) Single Room - 8 month	\$608	\$150	\$30	\$5,044

1.7.5.2.2 Residence Occupancy – Macdonald Campus

The residence fees cover the period from **August 22, 2022 to April 30, 2023**. You must vacate your room at the end of the lease term. Only under exceptional circumstances will you be granted permission to arrive prior to the beginning date of the lease or remain in residence during the summer months. In these cases, you must apply to the [Campus Housing Office](#); an additional fee will be charged if permission is granted.

You can request permission to extend your stay in residence (at the normal weekly charge) if you are taking extended courses after the regular session, employed on campus, or registered for summer courses.

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

1.7.5.2.3 Facilities for Non-Resident Students – Macdonald Campus

The Centennial Centre features common lounging areas such as the **Eco-Niche** CC Lobby, and when available, the **Ceilidh**. Lockers are available in the Macdonald-Stewart Building. You can rent them at the Students' Society Office in Centennial Centre. **Twigs Café** is located on the ground floor between the Macdonald-Stewart Building and Barton Library.



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

1.7.5.2.4 Student Parking – Macdonald Campus

Parking permits are available from Macdonald Campus Security, Room 101, Laird Hall. A parking decal is \$200 for one year and \$120 for one semester and can be picked up Monday to Friday from 8:15 a.m. to 3:45 p.m.

Daily passes for students are \$8 and can be purchased at the Upper Gravel Lot and the Horticulture parking lot. Half-day passes are \$4 and can only be purchased at the meter (exact change is required). All students obtaining a daily pass must park in the Horticulture lot, east of the Highway 20 overpass. If you are not sure of the location, you can pick up a map from the Campus Security office in Laird Hall. For more information, see mcgill.ca/transport/parking/mac.

1.7.6 Athletics & Recreation

1.7.6.1 Downtown Campus Athletics & Recreation

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

- gymnasium
- fully-equipped fitness centre
- varsity weight room
- pool
- arena
- fieldhouse
- stadium
- indoor and outdoor running tracks and tennis courts
- squash and racquetball courts
- spinning, fitness, and martial arts studios
- various playing fields
- small groups and one-on-one training spaces
- gender-neutral changing spaces and bathrooms

McGill students can participate in instructional, recreational, intramural, and intercollegiate activities, as well as sports clubs. There are nominal fees for instructional courses, intramurals, sports equipment rentals, and membership to the Fitness Centre. Sporting equipment (x-country skis, snowshoes, racquets, balls, etc.) is av

475 Pine Avenue West

Telephone: 514-398-7000

Email: perry.karnofsky@mcgill.ca (recreational sports) or lisen.moore@mcgill.ca (varsity sports)

Website: mcgillathletics.ca

Facebook: www.facebook.com/mcgillathleticsandrecreation

Twitter: 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 v

An overview of extra-curricular activities at McGill is available on Campus Life & Engagement's [Engage McGill](#) site. [myInvolvement](#) is an online tool managed by Career Planning Services for McGill students to find current involvement opportunities on campus. Students can then record their involvement in eligible activities, workshops, volunteer opportunities, and leadership positions on their Co-Curricular Record (CCR).

1.7.8.1 University Centre, Thomson House, and Centennial Centre

The [University Centre](#), 3480 McTavish Street, provides clubrooms for many extra-curricular activities in a four-storey building with dining options, a ballroom, lounges, and a black box theatre. Activities for graduate students are centred in [Thomson House](#) at 3650 McTavish Street.

On the Macdonald campus, facilities are located in the [Centennial Centre](#); a list of student services and activities on the Macdonald campus is available at [Agricultural & Environmental Sciences > Undergraduate > About Agricultural and Environmental Sciences \(Undergraduate\) > : Student Information](#).

Note: Space and room availability on campus v

1.8 Fees

The information in this publication was updated in January 2022. **The University reserves the right to make changes without notice in the published scale of fees.**

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

For information on financial support, see [University Regulations & Resources](#) > Undergraduate > : [Scholarships and Student Aid](#).



Note for Graduate and Postdoctoral Studies: For information on financial support, see mcgill.ca/gps/funding.

1.8.1 Access to Fee Information

You can view your *Account Summary by Term* on [Minerva](#). The Fall term fees will be accessible in mid-July.

1.8.2 Billings and Due Dates

Confirmation of Acceptance Deposit

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

Invoicing of Fees

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

Failure to check your McGill email on a regular basis in no way warrants the cancellation of interest charges and/or late payment fees. Refer to the [Student Accounts website](#) for information on payment due dates.

Term	Payment Due Date
Fall term	
All new and returning students	August 31, 2022
Winter Term	
All new and returning students	January 5, 2023

Late Payment Charges: If you have an outstanding balance greater than \$100 on your account at the end of October (end of February for the Winter term), you will be assessed a late payment charge, over and above the interest. See *Penalties and Fines* at mcgill.ca/student-accounts/tuition-fees/non-tuition-charges/other.

1.8.2.1 Guest Access on Minerva

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

The mcgill.ca/student-accounts/parents-and-sponsors/guest-access web page describes how to set up this access. You must provide certain information about the individual to whom you wish to grant access to your fee-related information. The guest will be contacted by email and provided with a link to use within a designated time period.

You can revoke guest access privileges at any time.

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

If you do not want to give a guest access privileges to Minerva, you can enter an "Alternate Student Billing" email address on Minerva to which Student Accounts will send a copy of the monthly e-bill notification.

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 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. 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 residency status to change within the term—contingent on appropriate supporting documentation—must contact either *Service Point* or *SCS Client Services* (School of Continuing Studies students only) to discuss what documentation is still outstanding to support their situation. These offices will decide if a fee deferral is warranted. No prior interest charges or late payment fines will be reversed; therefore, you should ensure your request is submitted before the first fee payment for the term is due.

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

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

1.8.3.2 International Exemption Fees

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

For more information concerning fee exemptions, visit mcgill.ca/student-accounts/tuition-fees/general-tuition-and-fees-information/tuition-fee-exemptions

Student Services; the Office for Student Accessibility & Achievement; Campus Life & Engagement (including assistance for francophone students); and the First Peoples' House. Please refer to [section 1.7.3: Student Services – Downtown Campus](#) and [section 1.7.4: Student Services – Macdonald Campus](#) for details on these services.

1.8.5.2 Athletics and Recreation Fee

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

1.8.5.3 Student Society Fees

Student Society fees are collected on behalf of student organizations and are compulsory. These fees must be approved by the student body through fee referenda according to the constitutional rules of the association or society. Students vote on changes to Student Society fees during the Spring and Fall referendum periods.

Graduate students classed as Canadian full-time or Additional Session, Thesis Evaluation, Non-Thesis Extension, as well as postdoctoral candidates, are automatically covered by their society's extended Health and Dental Plan (PGSS). Eligible students not charged automatically for insurance fees can choose to enrol themselves during the appropriate Change-of-Coverage period. For more information on what is covered by this plan, as well as enrolment, rates and opt-out procedures, and deadlines, please refer to the information contained at [Studentcare](#) toward mid-August.

Students without valid Canadian Medicare, please see *International Health Insurance* at mcgill.ca/internationalstudents/health and/or mcgill.ca/student-accounts/tuition-fees/non-tuition-charges/insurance.

1.8.6 Administrative Charges

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

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

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

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

1.8.8.1.1 Fall Term – up to and including September 20

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

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

1.8.8.1.2 Fall Term – after September 20

No refund.

1.8.8.1.3 Winter Term – up to and including January 24

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 24

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 for contact information).

Refund Procedures

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 bureau.** You should be aware that the University is entitled to use all legal means to obtain payment and that students are responsible for all costs associated with such actions.

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

In accordance with the fee policies stated in [section 1.8.9.1: Overdue Accounts](#) and [section 1.8.9.1.1: Information for Registered Students](#), before the University cancels your current and subsequent term registration(s), the Student Accounts Office will make all reasonable efforts to notify you if your account is delinquent, or if you owe more than \$100 from the previous term. The cancellation is effective the last day of the add/drop period unless you settle the account or make payment arrangements with the University by then. If you pay or make payment arrangements with the Student Accounts Office after the add/drop deadline and you want the University to reinstate your registration for the current or subsequent term(s), you must complete the *Request for Reinstatement* form (mcgill.ca/student-accounts/forms) and submit it to the Student Accounts Office, which will forward it to Enrolment Services for approval and processing. Your fee account will be charged a Reinstatement Penalty for the processing of the re-enrolment; exact fee amounts and further details are available on the [Student Accounts](#) website.

1.8.9.2 Acceptance of Fees vs. Academic Standing

Acceptance of fees by the University in no way guarantees that students will receive 0 0 0 1 336.50am(anlthe 0 0o pursubt or reill inay orhe Sst term(s)ly1 67.52 585

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.

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

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.

1.9 Information Technology (IT) Services

- [section 1.9.1: IT Support](#)
- [section 1.9.2](#)

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 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
-

throughout the library, as are hundreds of computers, and all libraries have printing, scanning, and copying machines. Facilities are available for vision and hearing impaired users.

Special library services like the *Course Readings Service* allows you to access digital items on course reading lists in the Library's catalogue and in *myCourses*. You can also borrow materials from any library and return them anywhere across the system. If you need material not owned by the McGill University Library, our *Interlibrary Loan and Document Delivery Service* will obtain it for you at no cost for McGill students, faculty, and staff. Interlibrary loans can be picked up at any branch.

1.10.2 McGill Writing Centre

Note: This information remains accurate until the end of the Winter 2022 term. In May 2022, the McGill Writing Centre will transfer to the Faculty of Arts. All course codes will be revised and will begin with WCOM. For the most up-to-date information, please visit mcgill.ca/mwc.ywii/F2.8.1

Course Number	Course Title	Credits
CCOM 615	Communicating Science to the Digital Public	1

Course for School of Continuing Studies Students:

Course Number	Course Title	Notes
CCOM 205	Communication in Management 1	Restricted to and required for students in Career and Professional Development programs offered by the School of Continuing Studies. MWC Departmental approval required.

Courses in Professional Writing (CE Units):

Course Number	Course Title	Notes
YCCM 208	Professional Writing in Business	
YCCM 600	Scientific Writing and Publishing: Graduate ESL	Online

1.10.2.1 McGill Writing Centre Contact Information

McGill Writing Centre
 McLennan-Redpath Library
 Main Floor, Room #02
 3459 McTavish Street
 Montreal QC H3A 0C9
 Telephone: 514-398-7109
 Fax: 514-398-7416
 Website: mcgill.ca/mwc
 General Inquiries: mwc@mcgill.ca

Inquiries concerning CEAP 250, CCOM 205 and YCCM 208 should be directed to:

Dr. Zachary Abram
 Email: zachary.abram@mcgill.ca
 McLennan-Redpath Library
 Main Floor, Room #02
 Telephone: 514-398-7109

Inquiries concerning CESL 300, CESL 400, CESL 500, CESL 641, and YCCM 600 should be directed to:

Dr. Mehdi Babaei
 Email: mehdi.babaei@mcgill.ca
 McLennan-Redpath Library
 Main Floor, Room #02
 Telephone: 514-398-7109

Inquiries concerning CCOM 206, CESL 299, CESL 631, and CESL 651 should be directed to:

Ross Sundberg
 Email: ross.sundberg@mcgill.ca
 McLennan-Redpath Library
 Main Floor, Room #02
 Telephone: 514-398-3320

Inquiries concerning CCOM 200 should be directed to:

Sarah Wolfson
 Email: sarah.wolfson@mcgill.ca
 McLennan-Redpath Library
 Main Floor, Room #02
 Telephone: 514-398-7109

Inquiries concerning CCOM 314, CCOM 315, and CCOM 614 should be directed to:

Pamela Lamb
 Email: pamela.lamb@mcgill.ca
 McLennan-Redpath Library
 Main Floor, Room #02
 Telephone: 514-398-7109

Inquiries concerning graduate-level courses and other aspects of the Graphos program should be directed to:

Dr. Yvonne Hung
 Email: yvonne.hung@mcgill.ca
 McLennan-Redpath Library
 Main Floor, Room #02
 Telephone: 514-398-8430

Administrative inquiries should be directed to:

mwc@mcgill.ca for undergraduate courses
graphos@mcgill.ca for graduate courses

1.10.3 University Archives

The McGill University Archives (MUA) acquires, preserves, and makes available to students, faculty, staff and researchers (including the general public) more than 30,000 metres of records dating from 1797 to the present. These records document McGill University faculty, research, alumni, and student organizations, and certain Montreal-based organizations. Archived media include:

- textual records;
- photographs;
- audio tapes;
- film;
- video;
- plans;
- University publications;
- artifacts.

The MUA acquires private records to complement its collection of the University's documentary heritage and to support University research goals. The MUA manages the University's corporate memory and information assets through its records management program. This program manages the lifecycle of administrative records and protects vital evidence of University functions and activities according to federal and Quebec archives and records legislation, in addition to professional standards.

The MUA Reading Room is open Monday to Friday, from 10:00 a.m. to 6:00 p.m.; however, appointments are recommended. The MUA website features virtual exhibitions, tools to search the MUA holdings, and a large bank of digitized images.

McGill University Archives
 McLennan Library Building, 4th Floor
 3459 rue McTavish
 Montreal QC H3A 0C9
 Telephone: 514-398-4711
 Email: refdesk.archives@mcgill.ca
 Website: mcgill.ca/library/branches/mua

1.10.4 Redpath Museum

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

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

859 Sherbrooke Street West
 Telephone: 514-398-4086

Email: redpath.museum@mcgill.ca

Website: mcgill.ca/redpath

1.10.5 McCord Museum of Canadian History

The McCord Museum houses one of the finest historical collections in North America. It possesses some of Canada's most significant cultural treasures, including the most comprehensive collection of clothing—comprising over 18,845 garments or accessories—made or worn in Canada; an extensive collection of First Nations artifacts—the most important of its kind in Quebec with a corpus of over 15,800 objects from across Canada; and the renowned Notman Photographic Archives, which contain over 1,300,000 historical photographs and offers a unique pictorial record of Canada from pre-Confederation to the present. The McCord also houses paintings by renowned artists such as Louis Dulongpré, James Duncan, Cornelius Krieghoff, and Robert Harris. The 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 innovative interpretations of the social and cultural history of Montreal, Quebec, and Canada. In addition to guided tours, school programs, cultural activities, and lectures, the McCord offers a range of services including the Museum Café and boutique.

Researchers are welcome by appointment.

690 Sherbrooke Street West

Telephone: 514-398-7100

Email: info@mccord.mcgill.ca

Website: musee-mccord.qc.ca

1.10.6 Lyman Entomological Museum and Research Laboratory

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

Telephone: 514-398-7914

Website: mcgill.ca/historicalcollections/departmental/lyman

1.10.7 Other Historical Collections

he retired 38 years later, McGill had over 1,000 students and Molson Hall (at the west end of the Arts Building), the Redpath Museum, the Redpath Library, the Macdonald Buildings for Engineering and Physics, and a fine suite of medical buildings had been erected.

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

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

The University now comprises 10 Faculties and 17 Schools. At present over 40,000 students are taking credit courses; one in four is registered in Graduate Studies.

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

Members

Karen Sciortino; B.A., B.F.A.(C'dia)

Cynthia Price Verreault; B.Com.(McG.)

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**

Students' Society of McGill (1)

Post-Graduate Students' Society of McGill (1)

Observers

McGill Association of Continuing Education Students (1)

Macdonald Campus Students' Society (1)

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 to meet McGill's senior staff and learn about the University's administration and governance structure.

Administration

John McCall MacBain

Chancellor

Suzanne Fortier

Principal and Vice-Chancellor

Véronique Bélanger

Chief of Staff

Administration

Christopher Manfredi	Provost and Vice-Principal (Academic)
Fabrice Labeau	Deputy Provost (Student Life & Learning)
Gillian Nycum	University Registrar and Executive Director of Enrolment Services
Martine Gauthier	Executive Director of Services for Students
Chris Buddle	Associate Provost (Teaching & Academic Programs)
Angela Campbell	Associate Provost (Equity & Academic Policies)
Anja Geitmann	Associate Vice-Principal (Macdonald Campus) and Dean (Faculty of Agricultural & Environmental Sciences)
Marc Denoncourt	Chief Information Officer
Edyta Rogowska	Secretary-General
Yves Beauchamp	Vice-Principal (Administration & Finance)
Diana Dutton	Associate Vice-Principal (Human Resources)
Cristiane Tinmouth	Associate Vice-Principal (Financial Services)
Denis Mondou	Associate Vice-Principal (Facilities Management and Ancillary Services)
Louis Arsenault	Vice-Principal (Communications & External Relations)
David Eidelman	Vice-Principal (Health Affairs) and Dean (Faculty of Medicine and Health Sciences)
Sam Benaroya	Associate Vice-Principal (Health Affairs) and Vice-Dean (Faculty of Medicine and Health Sciences)
Martha Crago	Vice-Principal (Research & Innovation)
Philippe Gros	Deputy Vice-Principal (Research & Innovation)
Benoit Boulet	Associate Vice-Principal (Research & Innovation) (Innovation & Partnerships)
Debra Titone	Associate Vice-Principal (Research)
Marc Weinstein	Vice-Principal (University Advancement)
Line Thibault	General Counsel and Director of Legal Services
Giovanna Santullo	Executive Director, Internal Audit

1.11.7.1 Deans, Directors of Schools and Libraries**1.11.7.1.1 Deans****Deans**

Anja Geitmann	Agricultural & Environmental Sciences
Mary Hunter (<i>Interim</i>)	Arts
Carola Weil	Continuing Studies
Elham Emami	Dental Medicine and Oral Health Sciences
Dilson Rassier	Education
James Nicell	Engineering
Josephine Nalbantoglu	Graduate & Postdoctoral Studies
Robert Leckey	Law
Colleen Cook	Libraries
Yolande E. Chan	Management
David Eidelman	Medicine and Health Sciences
Brenda Ravenscroft	Music

Deans

R. Bruce Lennox

Science

Robin Beech

Dean of Students

1.11.7.1.2 Directors of Schools

Directors of Schools

Martin Bressani

Architecture

Alba Guarné

Biomedical Sciences, School of

Susan Rvachew

Communication Sciences & Disorders

Bettina Kemme

Computer Science

Linda Wykes

Human Nutrition

Sylvie de Blois

Environment

Kimiz Dalkir

Information Studies

TBA

Medicine, School of

Anita Gagnon

Nursing

Laurie Snider

Physical & Occupational Therapy

Timothy Evans

Population & Global Health

Garth W. Green

Religious Studies

Nico Trocmé

Social Work

Richard Shearmur (*Interim*)

Urban Planning

Christopher Ragan

Public Policy

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

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.

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

- 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 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 and must abide by the policies listed at 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:
 - 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;
 - 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;
 - 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, 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;
 - 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.

2.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

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 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 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 indi

2.9 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

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 & Responsibilities
- Student Services – Downtown & Macdonald Campuses

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Sores

•

•

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Macdonald Campus
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue QC H9X 3V9
Canada
Telephone: 514-398-7838
Email: gradstudies.macdonald@mcgill.ca
Website: mcgill.ca/nrs/graduate-students/graduate/agricultural-economics

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 Resour](#)

2.12.1.3.3 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 Agricultural Economics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

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**. Only one Qualifying year is permitted and can only be recommended at the discretion of the Department. **Successful completion of a Qualifying program does not guarantee admission to a degree program.**

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

2.12.2.3.2 Application Procedures

Professors

Xin Zhao

Associate Professors

Vilceu Bordignon; Sergio Bur

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 600	(3)	Advanced Eukaryotic Cells and Viruses
ANSC 604	(3)	Advanced Animal Biotechnology
ANSC 606	(3)	Selection Index and Animal Improvement
ANSC 608	(3)	Population Genetics
ANSC 622	(3)	Experimental Techniques in Animal Science
ANSC 635	(3)	Vitamins and Minerals in Nutrition
ANSC 636	(3)	Analysis - Animal Breeding Research Data
ANSC 691	(3)	Special Topic: Animal Sciences
ANSC 692	(3)	Topic in Animal Sciences 1

0-15 credits selected from 500- and 600-level courses from across the Faculty (with the possibility of up to 9 credits from outside the Faculty if deemed appropriate by the supervisor).

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 design1 0 0 16hf1 0 0 1 103.657 465.803 TmTt i0NSC 691a M.Sc.

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 LivAdvAdv)

section 2.12.3.6: Master of Science (M.Sc.) Bioresource Engineering (Thesis): Environment (45 credits)

The Environmental option is coordinated through the Bieler School of Environment (BSE). 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.

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

Integrated Water Resource Management is a one-year program providing an essential approach for sustainable management of our natural watershed resources. The 13-credit internship is a central feature of this master's program. The degree gives students the unique opportunity to study the biophysical, environmental, legal, institutional, and socio-economic aspects of water use and management, in an integrated context. The degree is directed at practising professionals who wish to upgrade and/or focus their skill set to address water management issues.

As a graduate from this program, you will be well suited to opportunities in diverse fields of employment, such as water resources consulting, international development project management, research with governments or universities, public policy and governance development, and climate change impact assessment.

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

The non-thesis option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas (soil and water, structures and environment, waste management, environment protection, post-harvest technology, food process engineering, environmental engineering) in order to attain a higher level of engineering qualification. Candidates must be qualified to be members of a Canadian professional engineering association such as the *Ordre des ingénieurs du Québec* (OIQ) and must maintain contact with their academic adviser in the Department of Bioresource Engineering before registration to clarify objectives, investigate project possibilities, and plan a program of study.

section 2.12.3.9: Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Environment (45 credits)

The non-thesis Environment option is aimed at individuals already employed in industry or seeking to improve their skills in specific areas with the coordination of the Bieler School of Environment.

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.

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 e

	Application Opening Dates		Application Deadlines	
Winter Term*:	Feb. 15*	Aug. 31*	Aug. 31*	Aug. 31*

BREE 694	(4)	M.Sc. Thesis 4
BREE 695	(4)	M.Sc. Thesis 5
BREE 696	(4)	M.Sc. Thesis 6
BREE 697	(4)	M.Sc. Thesis 7
BREE 698	(3)	M.Sc. Thesis 8

Required Cour

Research Project (12 credits)

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

Required Courses (5 credits)

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

Complementary Courses (28 credits)

3-6 credits from:

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

0-3 credits

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 Options Committee.

22 additional credits of 500-level or higher chosen in consultation with the academic adviser.

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

This inter-departmental graduate program leads to a master's degree in Environmental Engineering. The objective of the program is to train environmental professionals at an advanced level. The program is designed for individuals with an undergraduate degree in engineering. This non-thesis degree falls within the M.Eng. and M.Sc. programs which are offered in the Departments of Bioresource, Chemical, Civil, and Mining, Metals, and Materials Engineering.

Research Project (6 credits)

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
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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:

URBP 506	(3)	Environmental Policy and Planning
----------	-----	-----------------------------------

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

Further complementary courses (balance of coursework to meet the 45-credit program requirement):

Remaining Engineering or Non-Engineering courses from an approved list of courses, at the 500, 600, or 700 level, from the Faculty of Engineering, Faculty of Agricultural and Environmental Sciences, Faculty of Law, Faculty of Religious Studies, Desautels Faculty of Management, and Departments of Atmospheric and Oceanic Sciences, Biology, Chemistry, Earth and Planetary Sciences, Economics, Epidemiology and Biostatistics, Geography, Occupational Health, Political Science, Sociology, and the Bieler School of Environment.

2.12.3.11 Master of Science, Applied (M.Sc.A.) Bioresource Engineering (Non-Thesis): Integrated Food and Bioprocessing (45 credits)**Required Courses (6 credits)**

BREE 600	(1)	Project/Internship Proposal
BREE 651	(1)	Departmental Seminar M.Sc. 1
BREE 652	(1)	Departmental Seminar M.Sc. 2
BREE 699	(3)	Scientific Publication

Complementary Courses (39 credits)

Minimum of 3 credits of graduate-level Statistics in any department

Minimum of 9 credits from courses selected from the following:

BREE 518	(3)	Ecological Engineering
BREE 519	(3)	Advanced Food Engineering
BREE 520	(3)	Food, Fibre and Fuel Elements
BREE 530	(3)	Fermentation Engineering
BREE 531	(3)	Post-Harvest Drying
BREE 532	(3)	Post-Harvest Storage
BREE 535	(3)	Food Safety Engineering
BREE 603	(3)	Advanced Properties: Food and Plant Materials

Minimum of 12 credits selected from the following:

BREE 601	(6)	Integrated Food and Bioprocessing Internship 1
BREE 602	(6)	Integrated Food and Bioprocessing Internship 2
BREE 671	(6)	Project 1
BREE 672	(6)	Project 2

Minimum of 3 credits selected 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
AGRI 510	(3)	Professional Practice

Minimum of 3 credits selected from the following:

BTEC 502	(3)	Biotechnology Ethics and Society
FDSC 519	(3)	Advanced Food Processing
	(3)	Food Science in Perspective

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

2.12.4.3.1 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/biotechgradprog/admissions for full details of the admission process.

2.12.4.3.3 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 Institute of Parasitology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sep. 15	Jan. 15	Jan. 15	Jan. 15
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

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

International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy.

2.12.4.4 Biotechnology Faculty

Biotechnology programs are offered through the Institute of Parasitology. For a complete faculty listing, please refer to [section 2.12.8.4: Parasitology Faculty](#).

2.12.4.5 Master of Science, Applied (M.Sc.A.) Biotechnology (Non-Thesis) (45 credits)

Research Project (16 credits)

BTEC 622	(2)	Biotechnology Research Project 1
BTEC 623	(6)	Biotechnology Research Project 2
BTEC 624	(6)	Biotechnology Research Project 3
BTEC 625	(2)	Biotechnology Research Project 4

Required Courses (20 credits)

BIOT 505	(3)	Selected Topics in Biotechnology
BTEC 501	(3)	Bioinformatics
BTEC 619	(4)	Biotechnology Laboratory 2
BTEC 620	(4)	Biotechnology Laboratory 1
BTEC 621	(3)	Biotechnology Management
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)

Two courses chosen from the following:

General Topics

ANSC 622	(3)	Experimental Techniques in Animal Science
BINF 511	(3)	Bioinformatics for Genomics
BIOL 524	(3)	Topics in Molecular Biology
BIOL 568	(3)	Topics on the Human Genome
BTEC 501	(3)	Bioinformatics
BTEC 502	(3)	Biotechnology Ethics and Society
BTEC 535	(3)	Functional Genomics in Model Organisms
BTEC 555	(3)	Structural Bioinformatics
BTEC 691	(3)	Biotechnology Practicum
EXMD 511	(3)	Joint Venturing with Industry
EXMD 602	(3)	Techniques in Molecular Genetics

Health

EXMD 610	(3)	Molecular Methods in Medical Research
PARA 635	(3)	Cell Biology and Infection
PHGY 518	(3)	Artificial Cells

Environment and Food

BREE 530	(3)	Fermentation Engineering
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2.12.5 Food Science and Agricultural Chemistry**2.12.5.1 Location**

Department of Food Science and Agricultural Chemistry
Macdonald-Stewart Building, Room MS1-033
Macdonald Campus of McGill University
21,111 Lakeshore Road
Sainte-Anne-de-Bellevue QC H9X 3V9
Canada
Telephone: 514-398-7838
Email: gradstudies.macdonald@mcgill.ca
Website: mcgill.ca/foodscience

2.12.5.2 About Food Science and Agricultural Chemistry

The Department of Food Science and Agricultural Chemistry offers M.Sc. (thesis and non-thesis) and Ph.D. programs. These programs provide training in evolving interdisciplinary areas of:

- food quality;
- food safety/food microbiology;
- food chemistry;
- food biotechnology;
-

in graduate studies, **but not as candidates for a degree**. Only one Qualifying year is permitted. **Successful completion of a Qualifying program does not guarantee admission to a degree program.**

Financial Aid

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.

2.12.5.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

2.12.5.3.2.1 Additional Requirements

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

- Final acceptance to the M.Sc. Thesis or Ph.D. program depends on a faculty member agreeing to serve as the student's supervisor. A supervisor is not required for acceptance to the M.Sc. Non-Thesis program.
- The GRE – not required, but highly recommended.

Associate Professors

Stephane Bayen; Saji George; Ashraf A. Ismail; Salwa Karboune; Xiaonan Lu.

Assistant Professor

Jennifer Ronholm; Yixiang Wang.

Adjunct Professors

Luis Garcia; Lawrence Goodridge; Jocelyn Pare; Ali Taherian.

Research/Academic Associates

Jacqueline Sedman.

AGRI 510	(3)	Professional Practice
FDSC 515	(3)	Enzymology
FDSC 516	(3)	Flavour Chemistry
FDSC 519	(3)	Advanced Food Processing
FDSC 520	(3)	Biophysical Chemistry of Food
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 Saf

FDSC 555	(3)	Comparative Food Law
NUTR 512	(3)	Herbs, Foods and Phytochemicals
OCCH 612	(3)	Principles of Toxicology
PARA 515	(3)	Water, Health and Sanitation

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.

FDSC 700	(0)	Comprehensive Preliminary Examination
FDSC 725	(3)	Advanced Topics in Food Science
FDSC 797	(3)	Ph.D. Graduate Seminar 1
FDSC 798	(3)	Ph.D. Graduate Seminar 2

Human Nutrition Ph.D. Graduate Sem Ph.D. d762aAii1 0 0 1 103.657 607.044 Tm(D3520 crediLoc0 1 165.864 460.0 Tm(23520 credi62

Research is conducted in our on-site research labs, the *Centre for Indigenous Peoples' Nutrition and Environment* (CINE), the *McGill Institute for Global Food Security*, the *Mary Emily Clinical Nutrition Research Unit* (MECNRU), and the MUHC Teaching Hospitals. Students can conduct research or participate in clinical rotations in Ghana and field sites in Asia, Africa, Latin America, and the Caribbean.

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

A master's degree in Human Nutrition offers advanced Nutrition courses in a broad range of research areas. The program is suitable for students with an undergraduate degree in nutritional sciences, exercise physiology, kinesiology, food science, biochemistry, medicine, or another closely related field. Students are required to complete 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 (83 credits)

The M.Sc. Applied program in Dietetics Credentialing is a course-based master's program with a dietetics *Stage* (internship) included. At the end of the program, students are qualified to be licensed with one of the provincial regulatory bodies in Canada, as well as in other countries, and practise in the areas of clinical nutrition, community nutrition, and foodservice management; French competency is a requirement for the program and for the licencing with *l'Ordre des diététistes-nutritionnistes du Québec (ODNQ)*. The program is preceded by a Qualifying year, if necessary, to complete certain courses required for licensure. This is followed by three semesters of graduate-level courses and three semesters of *Stage*, which include a practice-based graduate project.

section 2.12.6.9: Doctor of Philosophy (Ph.D.) Human Nutrition

A Ph.D. degree in Human Nutrition is suitable for students with an M.Sc. degree in Nutritional Sciences or related areas who wish to become independent researchers and/or leaders in the field of nutritional sciences. The School offers a stimulating research environment with opportunities in a wide range of areas of basic science, clinical research with our many hospital clinicians, as well as population health in Canada and abroad. Careers include academic, senior government, and industry positions within Canada and internationally.

section 2.12.6.10: Graduate Diploma (Gr. Dip.) Registered Dietitian Credentialing (30 credits)

In the School of Human Nutrition at McGill, students pursuing a Ph.D. in human nutrition have the opportunity to apply to our Graduate Diploma in R.D. Credentialing, upon completion of the Ph.D. program and upon completion of the undergraduate courses required by *l'Ordre des diététistes-nutritionnistes du Québec* (ODNQ). Additional preparatory courses for *Stages* (internships) are NUTR 513, NUTR 515, NUTR 607, and NUTR 611.

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the subject selected may be admitted to a Qualifying program if they have met the School's minimum CGPA of 3.3 out of 4.0. The courses to be taken in a Qualifying program will be prescribed by the academic unit. Qualifying students are registered in graduate studies, **but not as candidates for a degree**. Only one Qualifying year (two terms) is permitted. **Successful completion of a Qualifying program does not guarantee admission to a degree program. Students must re-apply for admission to a degree program.**

Financial Aid

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.

Associate Professors

Stéphanie Chevalier; Treena Delormier; Kristine G. Koski; Stan Kubow; Ryan Mailloux; Grace S. Marquis; Hugo Melgar-Quiñonez.

Assistant Professors

Anne-Sophie Brazeau; Chelsia Gillis; Daiva Nielsen; Brittany Wenniser; iostha Jock.

Academic Associate

Patrick Cortbaoui

Senior Faculty Lecturers

Mary Hendrickson; Sandy Phillips; Hugues Plourde; Maureen Rose.

Faculty Lecturers

Paul-Guy Duhamel; Joane Routhier.

Associate Members

Anaesthesia: Franco Carli, Thomas Schricker

Institute for the Study of International Development (ISID): Nii Addy

Medicine and Health Sciences: L. John Hoffer, Larry Lands, José Morais

Nursing: Rosetta Antonacci

Parasitology: Marilyn E. Scott

Adjunct Professors

Kevin A. Cockell; Isabelle Germain; Elizabeth D. Mansfield.

Affiliate Members

Kathryn Arcudi; Marie-Ève Besner; Sarah Blunden; Catherine Delorme; Thea Demmers; Linda Falcon; Louidgina Khoury; Isabelle Lam; Alexander McLean; Laura Li Ching Ng; Piraveena Piremathasan; Marilyn Rabin; Donna Schafer; Patricia Urrico.

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)

NUTR 695	(1)	Human Nutrition Research Orientation
NUTR 696	(1)	Human Nutrition Seminar
NUTR 697	(1)	MSc Final Presentation

Complementary Courses (9 credits)

3 credits in graduate-level statistics

3 credits in graduate-level research methods

3 credits in graduate-level courses (chosen in consultation with supervisory committee)

2.12.6.6 Master of Science, Applied (M.Sc.A.) Human Nutrition (Non-Thesis): Dietetics Credentialing (83 credits)

The M.Sc.(Applied) in Human Nutrition; Non-Thesis – Dietetics Credentialing focuses on nutrition and food, leadership, communication skills, management skills and critical thinking. The program includes 40 weeks of internship or professional practice (stage). This program is accredited by the Partnership for Dietetic Education and Practice (PDEP), and recognized in Québec by the Ordre des diététistes-nutritionnistes du Québec (ODNQ), and meets all the standards and requirements of this professional order.

Required Courses (77 credits)

IPEA 500	(0)	Roles in Interprofessional Teams
IPEA 501	(0)	Communication in Interprofessional Teams
IPEA 502	(0)	Patient-Centred Care in Action
IPEA 503	(0)	Managing Interprofessional Conflict
NUTR 503	(3)	Nutrition and Exercise
NUTR 505	(3)	Public Health Nutrition
NUTR 511	(3)	Nutrition and Behaviour
NUTR 545	(4)	Clinical Nutrition 2
NUTR 546	(4)	Clinical Nutrition 3
NUTR 551	(3)	Analysis of Nutrition Data
NUTR 603	(3)	Credentialing in Dietetics
NUTR 606	(3)	Human Nutrition Research Methods
NUTR 607	(3)	Counselling in Professional Practice
NUTR 611	(2)	Graduate Professional Practice 1
NUTR 612	(8)	Graduate Professional Practice 2 Management
NUTR 613	(7)	Graduate Professional Practice 3 Clinical Nutrition
NUTR 614	(8)	Graduate Professional Practice 4 Community Nutrition
NUTR 615	(7)	Graduate Professional Practice 5 Clinical Nutrition
NUTR 618	(1)	Dietetics Professional Practice
NUTR 625	(3)	Emerging Issues for Nutritionists
NUTR 629	(6)	Professional Dietetics Project
NUTR 651	(3)	M.Sc. (Applied) Literature Review
NUTR 660	(1)	M.Sc.(Applied) Final Presentation
NUTR 695	(1)	Human Nutrition Research Orientation
NUTR 696	(1)	Human Nutrition Seminar

Complementary Courses (3 credits)

3 credits from the following:

AEMA 610	(3)	Statistical Methods 2
ANSC 560	(3)	Biology of Lactation
EDKP 654	(3)	Sport Psychology
EDPC 501	(3)	Facilitating Relationships
EDPC 504	(3)	Communication and Critical Conflict Resolution
EDPE 502	(3)	Theories of Human Development
EPIB 507	(3)	Biostats for Health Sciences
FDSC 537	(3)	Nutraceutical Chemistry
FDSC 538	(3)	Food Science in Perspective

FDSC 545	(3)	Advances in Food Microbiology
NUTR 501	(3)	Nutrition in Developing Countries
NUTR 502	(3)	Independent Study 2
NUTR 506	(3)	Qualitative Methods in Nutrition
NUTR 507	(3)	Advanced Nutritional Biochemistry
NUTR 512	(3)	Herbs, Foods and Phytochemicals
NUTR 520	(3)	Indigenous Peoples' Nutrition
NUTR 537	(3)	Advanced Human Metabolism
NUTR 608	(3)	Special Topics 1
NUTR 610	(3)	Pediatric and Maternal Nutrition
NUTR 641	(3)	Advanced Global Food Security
PSYC 650	(3)	Advanced Statistics 1

Elective Courses (3 credits)

To be chosen, at the 500 level or higher, in consultation with the Program Director.

Compulsory Immunization

A compulsory immunization program exists at McGill which is required for Dietetics students. Students should complete their immunization upon commencing

9 credits of 500-level or higher courses in consultation with the student's academic adviser or supervisor.

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

Research Project (12 credits)

NUTR 652	(3)	M.Sc. (Applied) Project 1
NUTR 653	(3)	M.Sc. (Applied) Project 2
NUTR 654	(3)	M.Sc. (Applied) Project 3
NUTR 655	(3)	M.Sc. (Applied) Project 4

Required Courses (6 credits)

NUTR 651	(3)	M.Sc. (Applied) Literature Review
NUTR 660	(1)	M.Sc.(Applied) Final Presentation
NUTR 695	(1)	Human Nutrition Research Orientation
NUTR 696	(1)	Human Nutrition Seminar

Complementary Courses (18 credits)

3 credits of 500-level or higher Statistics.

3 credits in research methods at the 500 level or higher

12 credits of course work, at the 500 level or higher, in Nutrition, Animal Science, or Food Science chosen in consultation with the student's supervisor.

Elective Courses (9 credits)

9 credits of 500-level or higher courses in consultation with the student's academic adviser or supervisor.

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 would like to become a member of the Ordre professionnel des diététistes du Québec (OPDQ). The Diploma consists of 30 weeks of stage placements in Clinical, Community, and Management rotations. Before acceptance into the program, students will be required to complete courses in clinical nutrition, and certain required courses in preparation for Stage; and to demonstrate a basic level of French competency. This preparation may be done during the Ph.D. program, or in a qualifying year after the Ph.D. On completion, students will meet OPDQ credits and professional practice requirements for licensure as a registered dietitian.

The Graduate Diploma is open to students who have completed a graduate degree with the School of Human Nutrition including NUTR 603 Credentialing in Dietetics.

Required Courses (30 credits)

NUTR 612	(8)	Graduate Professional Practice 2 Management
NUTR 613	(7)	Graduate Professional Practice 3 Clinical Nutrition
NUTR 614	(8)	Graduate Professional Practice 4 Community Nutrition
NUTR 615	(7)	Graduate Professional Practice 5 Clinical Nutrition

2.12.7 Natural Resource Sciences

2.12.7.1 Location

Department of Natural Resource Sciences
 McGill University, Macdonald Campus
 21,111 Lakeshore Road
 Sainte-Anne-de-Bellevue QC H9X 3V9
 Canada
 Telephone: 514-398-7838
 Email: gradstudies.macdonald@mcgill.ca
 Website: mcgill.ca/nrs

2.12.7.2 About Natural Resource Sciences

The Department of Natural Resource Sciences offers programs leading to **M.Sc.** and **Ph.D.** degrees in:

- Agricultural Economics (M.Sc. only)
- Entomology (Neotropical Environment option available)
- Microbiology (Bioinformatics option available)
- Renewable Resources (this includes Forest Science, Micrometeorology, Soil Science, and Wildlife Biology; Neotropical Environment options available)

An **interdisciplinary** option in Bioinformatics for doctoral students in Microbiology is also available.

The Department possesses, or has access to, excellent facilities for laboratory and field research. Affiliated with the Department are the *Lyman Entomological Museum and Research Laboratory*, the *Molson Nature Reserve*, the *Morgan Arboretum*, 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

2.12.7.3 Natural Resource Science Admission Requirements and Application Procedures

2.12.7.3.1 Admission Requirements

M.Sc. Thesis (Agricultural Economics)

International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy.

2.12.7.4 Natural Resource Sciences Faculty

Chair

Brian Driscoll

Graduate Program Director

Sébastien Faucher

Program Director - Agricultural Economics

Paul J. Thomassin

Emeritus Professors

David M. Bird; James W

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 area at the 500 level or higher in consultation with the Agricultural Economics Adviser.

2.12.7.6 Master of Science (M.Sc.) Entomology (Thesis) (45 credits)**Thesis Courses (36 credits)**

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

Required Courses (3 credits)

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

Complementary Courses (6 credits)

Two 3-credit courses at the 500, 600, or 700 level; normally one of these will be a course in statistics.

2.12.7.7 Master of Science (M.Sc.) Entomology (Thesis): Neotropical Environment (45 credits)**Thesis Courses (33 credits)**

NRSC 691	(12)	M.Sc. Thesis Research 1
NRSC 692	(12)	M.Sc. Thesis Research 2
NRSC 694	(9)	M.Sc. Thesis Research 4

Required Courses (9 credits)

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
NRSC 643	(1)	Graduate Seminar 1
NRSC 644	(1)	Graduate Seminar 2
NRSC 651	(1)	Graduate Seminar 3

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

Elective Courses (3 credits)

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

2.12.7.8 Master of Science (M.Sc.) Microbiology (Thesis) (45 credits)**Thesis Courses (36 credits)**

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

Required Courses (3 credits)

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

Complementary Courses (6 credits)

Two 3-credit 500-, 600-, or 700-level courses; normally one of these will be a course in statistics.

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

Complementary Courses (6 credits)

Two 3-credit courses at the 500 level or higher recommended by the supervisory committee; one of which must be in quantitative methods/techniques.

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
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
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.

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

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

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

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'

2.12.7.14 Doctor of Philosophy (Ph.D.) Microbiology

Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses

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.

2.12.7.15 Doctor of Philosophy (Ph.D.) Microbiology: 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
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

Complementary Courses

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

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

2.12.7.16 Doctor of Philosophy (Ph.D.) Renewable Resources

Includes Micrometeorology, Forest Science, Soil Science, and Wildlife Biology.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses

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.

2.12.7.17 Doctor of Philosophy (Ph.D.) Renewable Resources: Environment

The Ph.D. in Renewable Resources 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
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
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.

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

2.12.7.18 Doctor of Philosophy (Ph.D.) Renewable Resources: Neotropical Environment

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

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

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

Elective Courses

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

Parasitology

- biology;
- neurobiology;
- drug discovery;
- the ecology of parasitic organisms, such as helminths and protozoa, viruses, and cancer cells.

The non-thesis program in Biotechnology offers course-based curricula with practical training in laboratory courses and internships.

The Institute is housed in its own building adjacent to the Macdonald Campus Library and has well-equipped modern laboratories with excellent facilities for molecular research, and includes a confocal suite. Small and large animal facilities are available on the Macdonald campus. The Institute is affiliated with the *J.D. MacLean Centre for Tropical Diseases* at the McGill University Health Centre (MUHC).

Graduates typically go on to academic and research careers; enter private industry in the biotechnology and pharmaceutical sectors in research, management, technical services, and sales; or accept positions in the health, agriculture, food safety, and other government sectors.

Parasitology Programs

section 2.12.8.5: Master of Science (M.Sc.) Parasitology (Thesis) (45 credits)

Abams

2.12.8.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

2.12.8.3.2.1 Additional Requirements

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

- Acceptance to all thesis research programs depends on a staff member agreeing to serve as the student's supervisor and the student's obtaining financial support.
- International students are strongly encouraged to secure funding from their home country or international agencies.
- Other documents may be required for the admission process. Please consult the Parasitology website at mcgill.ca/parasitology/graduatestudies/admission for full details.

2.12.8.3.3 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 Institute of Parasitology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	March 15	May 31	May 31
Winter Term:	Feb. 15	Aug. 31	Oct. 15	Oct. 15
Summer Term:	N/A	N/A	N/A	N/A

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

International applicants are advised to apply well in advance of these dates because immigration procedures may be lengthy.

2.12.8.4 Parasitology Faculty

Director

Reza Salavati

Emeritus Professor

Timothy G. Geary

2.12.8.5 Master of Science (M.Sc.) Parasitology (Thesis) (45 credits)**Thesis Courses (35 credits)**

PARA 687	(10)	Thesis Research 1
PARA 688	(10)	Thesis Research 2
PARA 689	(12)	Thesis Research 3

Required Courses (10 credits)

PARA 606	(2)	Parasitology Seminar
PARA 607	(2)	Parasitology Research Seminar
PARA 635	(3)	Cell Biology and Infection
PARA 655	(3)	Host-Parasite Interactions

Other course work in related subjects may be required, depending upon the candidate's background and research orientation.

2.12.8.6 Doctor of Philosophy (Ph.D.) Parasitology**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (10 credits)

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

* Note: In the first year of the doctoral program, the candidates must successfully complete a written thesis proposal and make an oral presentation on their proposed research to fulfil PARA 700, the comprehensive component.

Depending upon the candidate's background, other course work may be required.

2.12.8.7 Doctor of Philosophy (Ph.D.) Parasitology: 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 (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-Belle

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

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

section 2.12.9.13: Graduate Certificate (Gr. Cert.) Bioinformatics (15 credits)

and web resources. The Certificate is completed in one term (Winter term **only**) after which graduates may go on to pursue successful careers in the biomedical, biotechnology, and biosciences fields.

2.12.9.3 Plant Science Admission Requirements and Application Procedures

2.12.9.3.1 Admission Requirements

General

The minimum cumulative grade point average (CGPA) is 3.0/4.0 (second class–upper division) or a minimum GPA of 3.2/4.0 during the last two years of full-time university study. High grades are expected in courses considered by the academic unit to be preparatory to the graduate program.

Ph.D.

Ph.D. candidates are required to have an M.Sc. degree in an area related to the chosen field of specialization for the Ph.D. program. Outstanding M.Sc. students may be permitted to transfer to the second year of the Ph.D. program following one year of study.

Qualifying Students

Some applicants whose academic degrees and standing entitle them to serious consideration for admission to graduate studies, but who are considered inadequately prepared in the selected subject, may be admitted to a Qualifying program if they have met the Graduate and Postdoctoral Studies minimum CGPA of 3.0/4.0. The course(s) to be taken in a Qualifying program will be prescribed by the academic unit concerned. Qualifying students are registered in graduate studies, but not as candidates for a degree. Only one Qualifying year is permitted. Successful completion of a Qualifying program does not guarantee admission to a degree program. The Qualifying year is only offered at the discretion of the Department.

Financial Aid

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 (no years of) 1 not be accepted 0 1/or(submitting an

2.12.9.4 Plant Science Faculty**Chair**

Martina V. Stromvik

Associate Chair and Graduate Program Director

Jean-Benoit Charron

Associate Graduate Program Director

Valérie Gravel

Emeriti Professors

Deborah J. Buszard; Alan K. Watson.

Professors

Pierre Dutilleul; Anja Geitmann; Suha Jabaji; Ajjamada C. Kushalappa; Philippe Seguin; Donald L. Smith.

Associate Professors

Jacqueline C. Bede; Sylvie de Blois; Jean-Benoit Charron; Valérie Gravel; Jaswinder Singh; Martina V. Stromvik.

Assistant Professors

Mehran Dastmalchi; Valerio Hoyos-Villegas.

Faculty Lecturers

Caroline Begg; David Wees

Academic Associate

Frieda Beauregard

Adjunct Professors

Konstantinos Aliferis; Annick Bertrand; Antoine Page.

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

Complementary Courses (6 credits)

Chosen from the following:

BINF 511	(3)	Bioinformatics for Genomics
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 or 600 level may be required at the discretion of the candidate's advisory committee.

2.12.9.7 Master of Science (M.Sc.) Plant Science (Thesis): Neotropical Environment (45 credits)

Candidates must participate in the STRI seminar series when in residence in Panama, and in the MSE-Panama Symposium Presentation in Montreal.

Thesis Courses (36 credits)

PLNT 664	(12)	M.Sc. Thesis 1
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 (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.

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

2.12.9.8 Master of Science, Applied (M.Sc.A.) Plant Science (Non-Thesis) (45 credits)

N.B. this program is under revision. Please contact Ms. Carolyn Bowes for information.

2.12.9.9 Doctor of Philosophy (Ph.D.) Plant Science

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

Thesis

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
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Required Courses

* Must be taken within one year of registering

PLNT 701	(0)	Doctoral Comprehensive Examination
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Complementary Courses

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

2.12.9.10 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.

COMP 616D1	(1.5)	Bioinformatics Seminar
COMP 616D2	(1.5)	Bioinformatics Seminar
PLNT 701*	(0)	Doctoral Comprehensive Examination

Complementary Courses (6 credits)

Two courses to be chosen from the following:

BINF 511	(3)	Bioinformatics for Genomics
BINF 621	(3)	Bioinformatics: Molecular Biology
BMDE 652	(3)	Bioinformatics: Proteomics
BTEC 555	(3)	Structural Bioinformatics
COMP 618	(3)	Bioinformatics: Functional Genomics

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

2.12.9.11 Doctor of Philosophy (Ph.D.) Plant Science: Environment

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

Students who have taken their M.Sc. degree at McGill University will be required to spend one term in study at another research institution.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to know

3.2 Graduate and Postdoctoral Studies

3.2.1 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)

- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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

- to provide an appeal mechanism in cases of conflict;
- to pro

- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

3.9 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

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

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 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

3.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

3.12.1 Anthropology

3.12.1.1 Location

Department of Anthropology
Stephen Leacock Building
855 Sherbrooke Street West, Room 712
Montreal QC H3A 2T7
Canada
Telephone: 514-398-4300
Fax: 514-398-7476
Email: gradprogram.anthropolo

section 3.12.1.11: Doctor of Philosophy (Ph.D.) Anthropology

The purpose of the Ph.D. program is to enable students to make original contributions to research in socio-cultural anthropology, archaeology, and medical anthropology in the form of a doctoral thesis. The program offers fieldwork-based doctoral training for students wishing to concentrate on different geographic areas (including Africa, Latin America, Europe, North America, and Asia).

section 3.12.1.12: Doctor of Philosophy (Ph.D.) Anthropology: Neotropical Environment

The Ph.D. program in Neotropical Environment (NEO) is a specialized, interdisciplinary program made possible by collaborating institutions in Canada, Panama, and the United States. Students will complete their research in Latin America, and NEO's core and complementary courses will be taught in Panama. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the neotropics and Latin American countries. Students work under the supervision of researchers from McGill and/or the Smithsonian Tropical Research Institute (STRI). This is a research-based option for Ph.D. students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University.

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 very highly qualified applicants for studies leading to the M.A. and Ph.D. degrees in Anthropology.

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), a minimum *TOEFL* score of 100 on the Internet-based test (iBT), with each component score not less than 20, is required.

Further application information is available on the Department's website at mcgill.ca/anthropology/graduate/admissions.

Master's

Admission to the M.A. program is open competitively to students holding an Honours or Major B.A. in Anthropology. Outstanding candidates with B.A. degrees in other disciplines but with substantial background related to anthropology are sometimes admitted on the condition that they complete a specified number of additional courses in Anthropology.

The applicants admitted usually have undergraduate grade point averages (GPA) of 3.5 or higher on a 4.0-point scale.

Ph.D.

Admission to the Ph.D. program is open competitively to students with a master's degree

Application Opening Dates		Application Deadlines		
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Admission to graduate studies is competitiv

Revision, June 2022. End of revision.

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

Revision, June 2022. Start of revision.

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.

Revision, June 2022. End of revision.

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

Revision, June 2022. Start of revision.

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.

Revision, June 2022. End of revision.

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

Revision, June 2022. Start of revision.

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.

Revision, June 2022. End of revision.

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

Revision, June 2022. Start of revision.

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

Required Courses (36 credits)

ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 609	(6)	Proseminar in Anthropology
ANTH 615	(3)	Seminar in Medical Anthropology
ANTH 699	(21)	M.A. Thesis

Complementary Courses (9 credits)

9 credits to be chosen from among 500-level or above departmental course offerings related to Medical Anthropology and in consultation with the program adviser.

Revision, June 2022. End of revision.

3.12.1.10 Master of Arts (M.A.) Anthropology (Non-Thesis) (45 credits)

The MA in Anthropology; Non-Thesis provides an intensive, course-based training in the fundamentals of anthropological theory and methodology o

ANTH 692

(6)

Research Paper 3

Complementary Cour

ANTH 602	(3)	Theory 1
ANTH 603	(3)	Theory 2
ANTH 609D1	(3)	Proseminar in Anthropology
ANTH 609D2	(3)	Proseminar in Anthropology
ANTH 701	(0)	PhD Comprehensive Examination
		PhD L r5r4D2

- New Media;
- Print Culture;
- Gender and Sexuality;
-

For international applicants whose first language is not English, please see mcgill.ca/gradapplicants/international/proficiency.

M.A. Program

To apply to the M.A. program, candidates are normally expected to have a B.A. degree in Art History or in another closely related field; candidates may come from other fields such as literary studies, comparative literature, ethnic studies, Canadian studies, architecture, urban planning, film studies, history, performance studies, or philosophy/aesthetics, but must have taken at least 10 courses relating to the history and theory of some aspect of the visual arts, preferably covering a wide range of historical time periods and geographical regions. In exceptional cases, applicants without a strong background in art history may be admitted but with additional requirements arranged in consultation with the Director of Graduate Studies to be completed before matriculation in the M.A. program.

Ph.D. Program

In order to apply to the Ph.D. program, candidates must hold an M.A. degree preferably in Art History or in a closely related field together with an appropriate number of art history and related courses such as are described for entrance into the M.A. program. All candidates for the Ph.D. program are strongly advised to contact a potential supervisor well in advance of submitting the application in order to establish a relationship. Applicants who have not vetted their research proposal (application statement) with a potential supervisor are unlikely to be admitted.

3.12.2.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.


For any admissions problems, please contact Natasha Klein-Panneton, the Graduate Administrative Coordinator:

Telephone: 514-398-4933

Email: graduate.ahcs@mcgill.ca

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 (Research Statement)
- C.V.
-  **Note:** The section of the application marked "Statement of Purpose" is not strictly required unless the applicant has specific items to remark on their candidacy that are not addressed in the research proposal (research statement).

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 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.

Directors

Jenny Burman – *Director, Graduate Programs in Art History and Communication Studies*

Christine Ross – *Director, Undergraduate Programs in Art History*

Will Straw – *Director, Undergraduate Programs in Communication Studies*

Emeritus and Retired Professors

David Crowley; John M. Fossey; Marc Raboy; Gertrude Robinson; George Szanto.

Professors

Christine Ross; Jonathan Sterne; Will Straw; Angela Vanhaelen.

Associate Professors

Jenny Burman; Darin Barney; Chricinda Henry; Cecily Hilsdale; Jeehee Hong; Mary Hunter; Matthew Hunter; Carrie Rentschler.

Assistant Professors

Gloria Bell; Bobby Benedicto.

Associate Members

Yuriko Furuhashi, Thomas Lamarre, Andrew Piper.

Affiliate Member

Robert Graham

3.12.2.5 Master of Arts (M.A.) Art History (Thesis) (45 credits)

The M.A. in Art History with the thesis option requires the completion of 45 credits of coursework.

The program is designed to be completed in four semesters, but may be completed in three semesters. There is a time limit to complete the M.A. degree in three years (full-time) or five years (part-time).

For further details on thesis preparation and submission consult www.mcgill.ca/gps/thesis/thesis-guidelines.

Required Courses (27 credits)

ARTH 600	(3)	Advanced Professional Seminar
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.

For further details on thesis preparation and submission consult: www.mcgill.ca/gps/thesis/thesis-guidelines.

Required Courses (30 credits)

ARTH 600	(3)	Advanced Professional Seminar
ARTH 698	(12)	Thesis Research 1
ARTH 699	(12)	Thesis Research 2
WMST 601	(3)	Feminist Theories and Methods

Complementary Courses (15 credits)

15 credits at the 500 level or higher to be chosen in consultation with a supervisor.

3 credits of complementary coursework must be chosen from one of the courses below:

COMS 633	(3)	Feminist Media Studies
WMST 602	(3)	Feminist Research Symposium

Or a 3-credit, option-approved course at the 500, 600, or 700 level, taught outside WMST (e.g., an option-approved Art History course, or an option-approved course taught in another discipline).

3 credits of the 15 credits of complementary coursework may be taken at another university in Montreal.

ARTH 724	(3)	Art Criticism 2
ARTH 725	(3)	Methods in Art History 1
ARTH 731	(3)	Current Problems in Art History 2

or from the 600-lev

3.12.4.2 About Communication Studies

The graduate program in Communication Studies offers **M.A.** and **Ph.D.** degrees. The program is concerned with the study of communication phenomena through interdisciplinary training that draws on a variety of fields including cultural studies; critical media and technology studies; public policy and governance; film; and sound studies. The program strives to offer a balance of humanities and social sciences approaches to the analysis of communication, and its orientation is primarily qualitative (rather than quantitative) in nature. The M.A. and Ph.D. degrees are academic in character, and do not include professional training in journalism, organizational communication, or media production. The Communication Studies program offers courses and directs project research in preparation for the M.A.(Thesis) and Ph.D. in Communication Studies. The graduate option in Gender and Women's Studies is available as a program option, and students benefit from the resources and activity of *Media@McGill*, a hub of research and public outreach on critical issues in media, culture, and emerging technology.

McGill is situated in one of the most vibrant cities in North America, and Montreal offers myriad opportunities for graduate students to engage with local arts institutions, either officially, through internships and research fellowships, or unofficially, through volunteering. Local institutions range from large-scale public museums (such as the *Musée d'art contemporain*, the *Musée des beaux-arts*, and the National Gallery of Canada in Ottawa) to smaller alternative galleries (such as feminist arts spaces *La Centrale Galerie Powerhouse* and *Studio XX*). There are also university-based venues such as the Redpath Museum on campus and the McCord Museum of Canadian History (which houses the McGill University Archives), and independent contemporary art galleries such as DHC and the Darling Foundry. The Canadian Centre for Architecture, with its archives and exhibitions and the *Bibliothèque et Archives nationales du Québec* also offer grants and research opportunities for local graduate students. A close relationship with the other three major universities in Montreal (Concordia University, *Université de Montréal*, and *Université du Québec à Montréal*) affords students access to a broad network of additional courses, lectures, and colleagues across the city.

To obtain financial aid information, please consult the Graduate and Postdoctoral Studies website at mcgill.ca/gps/funding or email graduatefunding.gps@mcgill.ca.

Further information on the Department of Art History and Communication Studies is available on our [website](#).

Master's and Ph.D. Degrees

Students enter our graduate programs from a variety of disciplinary backgrounds, though all have a history of documented academic excellence and aptitude for advanced scholarly research. Over the past 30 years, the Graduate Program in Communication Studies has trained many of Canada's leading communications scholars. Graduates of the program may be found working in all levels of government, within the cultural industries, and in dozens of university Communication Studies departments around the world.

For the language requirement for M.A. and Ph.D. degrees, please see: mcgill.ca/ahcs/graduate/admissions/language-requirement.

section 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.

3.12.4.3 Communication Studies Admission Requirements and Application Procedures

3.12.4.3.1 Admission Requirements

M.A.

To apply to the MA program in Communication Studies, candidates are expected to have a BA degree with a minimum CGPA of 3.3. An undergraduate degree in Communication Studies is not required although demonstrated ability in a related area of study is an asset. Potential applicants are encouraged to consult the program description [here](#) to determine whether their interests and qualifications align with those of the program.

Ph.D.

Applicants to the Ph.D. program are expected to have completed the equivalent of an M.A. degree. Admission will be based on academic achievement and evidence of talent and strong motivation in Communication Studies.

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.

3.12.4.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Applications will be considered until the deadline of January 15.

Inquiries regarding the program should be addressed to the [Gr](#)

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 (24 credits)

Thesis Courses (24 credits)

100165.864 397.304 Tm26	(6)	M.A. Thesis Preparation 1
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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)

COMS 616	(3)	Staff-Student Colloquium 1
COMS 702	(0)	Comprehensive Examination
COMS 703	(0)	Dissertation Proposal

Complementary Courses (15 credits)

15 credits of 500-, 600-, or 700-level COMS courses; one course outside COMS requires approval of the Graduate Program Director.

Language Requirement

Ph.D. students must demonstrate proficiency in one or more languages other than English that is related to their dissertation research, as determined by their supervisor. Certain areas of study may require more extensive language training, which will be determined by individual supervisors. In cases where dissertation research does not require non-English proficiency, Ph.D. students must demonstrate proficiency in French.

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

Candidates with an M.A. degree will be admitted at the Ph.D. 2 level, thereby gaining credit for one year of resident study. When admitted at Ph.D. 2 level, two years of residence are required for the doctoral degree.

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Communication Studies who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Thesis

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)

COMS 616	(3)	Staff-Student Colloquium 1
COMS 702	(0)	Comprehensive Examination
COMS 703	(0)	Dissertation Proposal
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Complementary Courses (9 credits)

9 credits of 500-, 600-, or 700-lev

Telephone: 514-398-3650

Email: asian.studies@mcgill.ca

Website: 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;
- 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.

section 3.12.5.5: Master of Arts (M.A.) East Asian Studies (Thesis) (Ad Hoc) (45 credits)

The M.A. program requires a thesis that engages with current theoretical and methodological issues and uses both primary and secondary sources in EastCentr

3.12.5.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

3.12.5.3.2.1 Additional Requirements

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

- Curriculum Vitae;
- Research Proposal – approximately 500 words for master's and five pages for Ph.D. applicants. A description of the proposed research project, with brief bibliography, should be included in the Research Proposal;
- Writing Sample;
- GPS/j1hilation form fordeadlica2tionhis0 1 67.52 687.8 Tm548.7ief bibyearchDt:mund 0 1 296.44 6368.83Tm48.7ief bierify allrdeadlica2t1 docu/F1rm forests se

3.12.5.5 Master of Arts (M.A.) East Asian Studies (Thesis) (Ad Hoc) (45 credits)

The Department only offers a thesis option. The M.A. program with thesis includes:

- a) four 3-credit graduate courses (12 credits);
- b) one graduate 3-credit seminar in theory/methodology (3 credits);
- c) one graduate 6-credit seminar or two graduate 3-credit seminars (6 credits); and
- d) thesis (24 credits).

Language Courses:

1. A maximum of 6 credits of language courses at the 500 level or in a classical Asian language may be counted toward course requirements.
2. Students must have fourth-level language equivalency by the completion of their M.A. program.

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

- macroeconomics;
- microeconomics;
- econometrics;

and several fields including:

- economic development;
- financial econometrics;
- industrial organization;
- health economics;
- international economics;
- 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.

Students who have not previously passed a suitable course in statistics must tak

Faculty Lecturers

Paul Dickinson; Mayssun El-Attar Vilalta; Ling Ling Zhang.

3.12.6.5 Master of Arts (M.A.) Economics (Thesis) (45 credits)**Thesis Courses (27 credits)**

ECON 650	(3)	Research 1
ECON 651	(3)	Research 2
ECON 652	(3)	Research 3
ECON 670	(6)	Thesis 1
ECON 671	(6)	Thesis 2
ECON 672	(6)	Thesis 3

Required Courses (6 credits)

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

Complementary Courses (12 credits)

Revision, July 2022. Start of revision.

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.

Revision, July 2022. End of revision.

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 (15 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

Complementary Courses (12 credits)**Revision, August 2022. Start of revision.**

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.

Revision, August 2022. End of revision.**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 (21 credits)

ECON 610	(3)	Microeconomic Theory 1
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 734	(3)	Economic Development 4
INTD 657	(3)	Development Studies Seminar

Complementary Courses (6 credits)**Revision, July 2022. Start of revision.**

3-6 credits from:

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

0-3 credits of courses at the 500, 600, or 700 level, as determined by the student's area of study.

Revision, July 2022. End of revision.**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 50728.56 Term 8Nd skill

ECON 623	(3)	Money and Banking
ECON 624	(3)	International Economics
ECON 625	(3)	Economics of Natural Resources
ECON 634	(3)	Economic Development 3
ECON 637	(3)	Industrial Organization and Regulation
ECON 641	(3)	Labour Economics
ECON 647	(3)	Applied Computational Economics
ECON 654	(3)	Research Methods in Economics
ECON 688	(3)	Seminar on Social Statistics
ECON 706	(3)	Selected Topics
ECON 710	(3)	Selected Topics in Economics
ECON 720	(3)	Advanced Game Theory
ECON 721	(3)	Advanced Monetary Theory
ECON 724	(3)	International Economics
ECON 726	(3)	Topics in Environmental Economics
ECON 734	(3)	Economic Development 4
ECON 737	(3)	Industrial Organization and Regulation Seminar
ECON 741	(3)	Advanced Labour Economics
ECON 744	(3)	Health Economics
ECON 761	(3)	Econometrics: Time Series Analysis
ECON 762	(3)	Econometrics - Asymptotic and Finite - Sample
ECON 763	(3)	Financial Econometrics
ECON 765	(3)	Models for Financial Economics

Courses may not be double counted for both the Population Dynamics complementary course and other complementary courses.

3.12.6.9 Doctor of Philosophy (Ph.D.) Economics

The Ph.D. in Economics focuses on microeconomics, macroeconomics and econometrics. Specialization in three fields of economics is offered.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (20 credits)

Revision, July 2022. Start of revision.

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

Revision, July 2022. End of revision.

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
 Website: 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: **Literature; Drama and Theatre;** and **Cultural Studies**. Graduate students, key participants in all areas of Department life, have the opportunity to explore aspects of Literature, Cultural Studies, Performance, and Theatre History in their seminar work and research. The Department is home to—or is a principal participant in—a number of major collaborative research projects, including the *Burney Centre*, the *McGill Medievalists*, the *Bibliographic Society of Canada*, and research teams on Shakespeare and Performance, Early Modern Conversions, Interacting with Print, Eating in Canada, and Novelists on the Novel. These research groups and projects are the most visible signs of cross-fertilization among the three areas of the Department's work, and of the Department's prominence in the development of interdisciplinary research and teaching at McGill and in the academy in general.

The English Department offers both **M.A.** and **Ph.D.** degrees. On average, there are 80 graduate students enrolled in the M.A. and Ph.D. programs each year.

The M.A. program admits 25 students each year from around the world. Unlike many other master's programs in English, the McGill M.A. culminates in a major piece of independent research, either a thesis or research paper, which is carried out under the supervision of a faculty member. Approximately half of McGill M.A. graduates go on to Ph.D. programs either at McGill or elsewhere. Other graduates have found employment with foundations, university development offices, publishing houses, consulting firms, and CEGEPs.

The Ph.D. program admits approximately five students each year from around the world. Doctoral students specialize in a broad range of fields within English studies.

All students who apply are considered for financial support, normally in the form of a scholarship that can be supplemented by T

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

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

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'é

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

La maîtrise sans mémoire comprend trois trimestres de séminaires après quoi les étudiants préparent trois travaux de recherche (30 pages chacun) sous la direction de trois professeurs. Parmi les débouchés qui s'offrent aux diplômés, on compte l'enseignement (au niveau collégial) de même que divers métiers liés à la littérature et à la communication écrite (notamment dans le milieu éditorial).

Les trois premières sessions du programme sont consacrées à la scolarité, pour les étudiants inscrits à temps complet; ils doivent suivre 8 séminaires de trois crédits, soit 4 par session. Les cours FREN 697 et FREN 600 sont obligatoires. Les étudiants inscrits à mi-temps doivent s'inscrire à un minimum de deux séminaires par session.

section 3.12.8.8: Doctorat (Ph. D.) Langue et littérature françaises

Les étudiants inscrits dans notre programme de doctorat sont titulaires d'une maîtrise dans la discipline (ou l'équivalent). Après une scolarité de deux trimestres, ils déposent au cours de la deuxième année leur projet de thèse et disposent d'un an pour préparer un examen préliminaire à la rédaction de leur thèse. L'ensemble du processus prend normalement entre quatre et cinq ans. Un grand nombre de nos diplômés se destinent à une carrière universitaire.

section 3.12.8.9: Doctorat (Ph. D.) Langue et littérature françaises: études sur les femmes et le genre

Pour obtenir de plus amples renseignements, veuillez communiquer avec le Département.

3.12.8.3 Conditions d'admission au Département des littératures de langue française, de traduction et de création

3.12.8.3.1 Conditions d'admission

Propédeutique

Peuvent être admis en Propédeutique les étudiants titulaires d'un B.A. qui ont une formation partielle en littérature, et qui sont alors tenus de s'inscrire à temps complet à un programme de 8 cours de premier cycle, établi lors de leur inscription.

M.A.

Pour être admis directement en M.A. I, le candidat doit être titulaire d'un B.A. avec spécialisation en littérature française, québécoise ou francophone, ou en traduction (« *Honours* »), ou d'un B.A. avec double spécialisation (« *Joint Honours* ») ou l'équivalent. Le candidat doit également présenter un très bon dossier académique, soit une moyenne d'au moins 75 %; le B.A. ne donne pas automatiquement droit à l'admission.

Ph. D.

Pour être admis au programme de Ph. D., le candidat doit satisfaire aux conditions suivantes :

1. Être titulaire d'un M.A. en littérature française, québécoise ou francophone, ou l'équivalent; avoir obtenu au cours de sa scolarité de maîtrise une moyenne d'au moins 75 %.
2. Présenter un projet de recherche, en français, indiquant avec une certaine précision le domaine et la méthodologie de la recherche qu'il envisage de poursuivre pour sa thèse de doctorat et le nom du professeur sous la direction duquel il souhaite travailler. La Commission des admissions sera mieux à même de juger, d'après ce projet, du sérieux du candidat et de ses aptitudes à la recherche littéraire avancée.

3.12.8.3.2 Demande d'admission

Le formulaire de demande d'admission par le web est disponible pour tous les candidats aux études supérieures à l'adresse suivante : mcgill.ca/gradapplicants/apply.

Pour connaître les procédures détaillées relatives à l'ensemble des demandes d'admission, consultez [University Regulations & Resources](#) > [Graduate > Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#).

3.12.8.3.2.1 Autres exigences

Les éléments et les éclaircissements ci-dessous sont des exigences supplémentaires fixées par ce département :

- Échantillon de travail écrit – les étudiants de l'extérieur du Département doivent fournir un échantillon de travail écrit, en français
- Projet de recherche
- Curriculum Vitae (pour être admis au programme de Ph. D.)

3.12.8.3.3 Dates importantes et dates limites

Les dates d'ouverture de dépôt des demandes d'admission sont fixées par La Gestion de l'effectif étudiant en consultation avec Graduate and Postdoctoral Studies (GPS; Les Études supérieures et postdoctorales), tandis que les dates limites pour les demandes d'admission sont fixées par le Département des littératures de langue française, de traduction et de création et peuvent être révisées à tout moment sans préavis. Il est de la responsabilité du candidat de s'informer des dates limites et des documents requis pour soumettre une demande d'admission en consultant [le site](#) du Département des littératures de langue française, de traduction et de création. On trouvera sur la page suivante la liste des responsables des programmes d'études supérieures : mcgill.ca/gps/contact/graduate-program.

	Dates d'ouverture des demandes d'admission		Dates limites	
	Tous les candidats	Étudiants étrangers (incl. étudiants à statut particulier, à statut de visiteur et en échange)	Étudiants canadiens / résidents permanents du Canada (incl. étudiants à statut particulier, à statut de visiteur et en échange)	Étudiants actuels de McGill (toute citoyenneté)
Automne	Le 15 septembre	Le 1er février*	Le 1er février*	Le 1er février*
Hiver	Le 15 février	Le 15 juillet*	Le 1er septembre*	Le 1er septembre*
Été	S.O.	S.O.	S.O.	S.O.

* Au-delà de cette date limite, toute candidature devra être adressée directement à la direction des Études Supérieures pour une évaluation individuelle préalable (sans garantie).

L'admission aux études supérieures est sélective. Les dossiers d'admission soumis après la date limite ne seront évalués que si le temps le permet.

Nota : Nous n'examinerons aucune demande d'admission visant le trimestre d'été.

Cours complémentaires (15 crédits)

5 séminaires; un maximum de 6 crédits peuvent être suivis dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université.

Les séminaires suivants sont fortement recommandés aux étudiants qui ont l'intention de présenter un mémoire d'écriture littéraire.

FREN 609	(3)	Atelier de création littéraire
FREN 611	(3)	L'expérience littéraire

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)

Mémoire (24 crédits)

FREN 699	(24)	M.A. Thesis
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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.

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

Projet de recherche (18 crédits)

Les étudiants complètent le programme de maîtrise en rédigeant trois travaux de recherche.

FREN 698	(18)	Master's Seminar
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Cours obligatoires (6 crédits)

FREN 600	(3)	Travaux dirigés 1
FREN 697	(3)	Méthodologie et théorie littéraires

Cours complémentaires (24 crédits)

24 crédits, 8 cours; un maximum de 6 crédits peuvent être suivis dans un autre département de McGill qui offre des cours dans le domaine des Humanités de l'annuaire des Études supérieures et postdoctorales, ou dans une autre université.

3.12.8.8 Doctorat (Ph. D.) Langue et littérature françaises

Thèse

Une thèse de doctorat doit constituer une recherche inédite et représenter un apport distinct au savoir. Elle doit témoigner de la connaissance des travaux antérieurs réalisés dans le domaine et montrer la capacité de planifier et d'accomplir la recherche, d'organiser les résultats et de défendre la démarche et les conclusions de manière savante. Le travail de recherche présenté doit correspondre aux normes actuelles de la discipline; la thèse doit en outre clairement montrer comment son contenu fait progresser

Tous les étudiants de Ph. D. doiv

Un séminaire (3 cré

section 3.12.9.5: Master of Arts (M.A.) Geography (Thesis) (45 credits)

(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 3.12.9.6: Master of Arts (M.A.) Geography (Thesis): Development Studies (45 credits)

The Development Studies Option (DSO) is cross-disciplinary in scope within existing master's programs in Geography, Anthropology, History, Political Science, Economics, and Sociology. Its components include the thesis; required International Development and Geography courses; and complementary courses from the participating departments. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

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

The Environment option is offered in association with the *Bieler School of Environment* (BSE) and is composed of a thesis component, required, 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 3.12.9.8: Master of Arts (M.A.) Geography (Thesis): Gender and Women's Studies (45 credits)

This is an interdisciplinary program for Geography students wishing to focus on gender and women's studies and issues in feminist research and methods. Included within it are a thesis on gender and women's studies, required, and complementary courses from Geography and Women's Studies.

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

The McGill-STRI Neotropical Environment Option (NE70.52 6nt s'

section 15.12.6.7: Master of Science (M.Sc.) Geography (Thesis): Neotropical Environment (45 credits)

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

3.12.9.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Further departmental application information is listed at mcgill.ca/geography/graduate.

3.12.9.3.2.1 Additional Requirements

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

- Research Proposal
- Letters of Reference – **two** references required for M.A. and M.Sc. programs; **three** references required for Ph.D. program
- Curriculum Vitae

3.12.9.3.3 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 Geography Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

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

3.12.9.4 Geography Faculty**Chair**

N.T. Roulet

Graduate Program Director

TBA

Emeritus Professors

T.R. Moore; S. Olson; W.H. Pollard; G.W. Wenzel.

Professors

P.G. Brown, *cross appt. with Bieler School of Environment*; G.L. Chmura; O.T. Coomes; N.T. Roulet; S. Turner; J. Unruh.

Associate Professors

S. Breau; B. Forest; M. Kalacska; B. Lehner; G. MacDonald; K. Manaugh; T.C. Meredith; S. Moser; B. Robinson; R. Sengupta; R. Sieber.

Assistant Professors

M. Bendixen; G. McKenzie; M. Riva; C. von Sperber.

Adjunct Professors

G. Leblanc; N.A. Ross, *cross appt. with Natural Resource Sciences*.

3.12.9.5 Master of Arts (M.A.) Geography (Thesis) (45 credits)**Thesis Courses (30 credits)**

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

Required Courses (3 credits)

GEOG 631	(3)	Methods of Geographical Research
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Complementary Courses (12 credits)

12 credits, four 3-credit courses at the 500 level or above selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

3.12.9.6 Master of Arts (M.A.) Geography (Thesis): Development Studies (45 credits)

The Development Studies Option (DSO) is a cross-disciplinary M.A. program offered as an option within existing M.A. programs in the departments of Geography, History, Political Science, Anthropology, Economics, and Sociology. This thesis option is open to master's students specializing in development studies. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the DSO coordinating committee.

Thesis Courses (30 credits)

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)

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)

The Neotropical Environment 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, comprehensive examination, required (9 credits) courses in Geography, Environment and Biology, and complementary courses (3 credits) chosen from Geography, Agriculture Sciences, Biology, Sociology, Environment, and Political Science.

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

Thesis Courses (30 credits)

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

Required Courses (9 credits)

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy

GEOG 631

(3)

Methods of Geographical Research

Complementary Course (3 credits)

3 credits, one Geography graduate course. GEOG 696 can count among these complementary credits for students with an appropriate background.

Elective 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.

3.12.9.10 Doctor of Philosophy (Ph.D.) Geography

The doctoral degree in Geography includes the successful completion of the comprehensi

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

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GEOG 700	(0)	Comprehensive Examination 1
GEOG 701	(0)	Comprehensive Examination 2

concentration, acceptance in the History M.A. program does not automatically entail acceptance in the concentration.) With or without a concentration, the degree consists of 45 credits.

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

The Master of Arts (M.A.) History (Thesis) program provides a strong grounding either for further advanced studies in History (Ph.D.) or as a gateway to a variety of professions. The program consists of a required research seminar in the first semester, complementary courses that reflect the strengths of the McGill faculty in the Department of History and Classical Studies, and a thesis.

section 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 dev

Students have the same admission requirements as above. In the case of the Development Studies concentration, acceptance in the History M.A. program does not automatically entail acceptance in the concentration.

Master in History – Gender and Women's Studies Option

Students have the same admission requirements as above.

Ph.D. in History

Normally, an M.A. in History (Students choosing the field of History of Medicine normally enter with an M.A. in History of Medicine).

Master in Classics

Candidates are required to have a B.A. (Honours) in Classics or equivalent.

3.12.10.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Refer to the Department of History and Classical Studies website for detailed information (mcgill.ca/history/graduate).

3.12.10.3.3 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 History and Classical Studies and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Nov. 1	Jan. 15	Jan. 15	Jan. 15	
Winter Term:	N/A	N/A	N/A	N/A	
Summer Term:	N/A	N/A	N/A	N/A	

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



Note: Applications for Winter or Summer term admission will not be considered.

3.12.10.4 History and Classical Studies Faculty

Chair

Catherine Desbarats

Directors

Anastassios (Tassos) Anastassiadis – *Undergraduate Program Director (Classical Studies)*

Heidi Wendt – *Undergraduate Program Director (History)*

Judith Szapor – *Graduate Program Director*

Emeritus Professors

John W. Hellman; Peter Hoffmann; Andrée Lévesque; Michael P. Maxwell; Carman I. Miller; Yuzo Ota; Nancy Partner; Albert Schachter; George Michael Woloch; Brian J. Young.

Professors

Gwyn Campbell; Elsbeth Heaman; Gershon D. Hundert; Brian Lewis; Lorenz Lüthi; Suzanne Morton; 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; Brian Cowan; Catherine Desbarats; Nicholas Dew; Elizabeth Elbourne; Michael P. Fronda; Charles W. Gladhill; Lynn Kozak; James Krapff; Leonard Moore; Don Nerbas; Jason Opal; Daviken Studnicki-Gizbert; Judith Szapor; Griet Vankeerberghen; Gavin Walker; Heidi Wendt.

Assistant Professors

Wendell Nii Laryea Adjetey; Travis Bruce; Edward Dunsworth; Kristy Ironside; Jeremy Tai; Darian Totten.

Faculty Lecturers

Naomi Kaloudis; Brahm Kleinman; Rachel Sandwell; 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
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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 lev

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. The program aims to develop proficiency both in technical areas of the discipline, especially Ancient Greek and Latin languages, and in critical reading, writing, and research skills. This program may be completed in three terms, but it is normally completed in two years.

Research Project (18 credits)

CLAS 681 (6) M.A.Research Project 1

CLAS 682 (6) M.A.Research Project 2

CLAS 683 (6) M.A.Research Project 3

Required Courses (18 credits)

CLAS 500 (3) Classics Seminar

CLAS 610 (3) Readings in Latin Literature

CLAS 612 (3) Topics in Latin Literature

CLAS 620 (3) Readings in Ancient Greek Literature

CLAS 622 (3) Topics in Ancient Greek Literature

CLAS 685 (3) Methods Seminar

Complementary Courses (9 credits)

9 credits of 500-level or 600-level courses in Classics, Ancient History, or another classics-related discipline. Classics-related courses must be chosen in consultation with the classics graduate adviser.

A maximum of 6 credits of complementary courses may be taken outside the Department of History and Classical Studies, unless approved by the Classical Studies Committee.

Examinations

Each candidate for the MA de

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

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 relevant theories, principles, and methods in Information Studies and acquire the expertise to conduct and promote scholarly research in the context of information studies. The program begins with a set of common courses and proceeds to specialization through dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members. Students develop scholarly and innovative expertise in human-information interaction (HII) in one of three research areas: human-computer interaction; information behaviour and services; and information and knowledge management.

The program prepares graduates for a wide range of settings in research, teaching, and senior administrative positions, in Quebec, Canada, and internationally; contributes to the development of knowledge and to teaching/learning in information studies; and builds national and international visibility of information studies from a research perspective.

section 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.

section 3.12.11.9: Graduate Certificate (Gr. Cert.) Digital Archives Management (15 credits)

The Graduate Certificate in Digital Archives Management program is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in the areas of digital archives, digital curation, and digital content management. Courses focus on principles and practices in archival studies, digital curation, strategies for digital preservation, and enterprise content management. The program may be completed within two academic terms (Fall/Winter) or to a maximum of three years. Both Fall and Winter entry to the program are offered.

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

The Graduate Certificate in Information Architecture and Design is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in public and private sectors as information architects and information designers. Courses focus on design and assessment of information systems, databases, websites, and interfaces. Techniques for data mining and issues related to information security are also covered. All courses are offered on-site at McGill University. The program may be completed within two academic terms (Fall/Winter) or to a maximum of three years. Both Fall and Winter entry is offered.

section 3.12.11.11: Graduate Certificate (Gr. Cert.) Information and Knowledge Management (15 credits)

The Graduate Certificate in Information and Knowledge Management program is designed to equip students and working professionals with specialized training to enrich their current portfolio or to prepare for work in the areas of information and knowledge management. Courses focus on the information behaviour of individuals, networks, and organizations; the nature of tacit and explicit knowledge services; and strategies for identifying, capturing, organising, storing, sharing, and using knowledge. The program may be completed within two academic terms (Fall/Winter) or to a maximum of three years. Both Fall and Winter entry to the program are offered.

section 3.12.11.12: Graduate Certificate (Gr. Cert.) Library and Information Studies (15 credits)

The Graduate Certificate in Library and Information Studies is a post-master's program designed to assist library and information professionals currently holding an American Library Association (ALA)-accredited (or equivalent) master's degree to update their qualifications for advanced responsibility. The program may be completed in one or two academic terms, or on a part-time basis to a maximum of five years.

3.12.11.3 Information Studies Admission Requirements and Application Procedures

Admission Requirements



Note: Courses in library and/or information studies taken before or as part of an undergraduate degree, or such courses taken in a school with a program not accredited by the American Library Association, cannot be accepted as credit toward the McGill M.I.St.

2. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (*TOEFL*) with a minimum score of 100 on the Internet-based test (iBT), with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (*IELTS*) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores. For more information about proof of proficiency, refer to the [Admissions section](#) of the School's website.

Ph.D. in Information Studies

1. Applicants should normally have a master's degree in Library and Information Studies (or equivalent). Master's degrees in other fields will be considered in relation to the proposed research.

An applicant with a master's degree in Library and Information Studies (or equivalent) will normally be admitted to Ph.D. 2.

An applicant with a master's degree in another field may be considered for admission to Ph.D. 2, but may need to register for courses to upgrade background knowledge in library and information studies.

An applicant who holds only a bachelor's degree from McGill University or an approved institution in Information Studies (or equivalent) in exceptional circumstances may be admitted to Ph.D. 1.

The applicant must present evidence of academic achievement: a minimum standing equivalent to a "McGill" cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a grade point average (GPA) of 3.2 out of 4.0 for the last two full-time academic years if the overall CGPA is 2.8 or higher.

2. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (*TOEFL*) with a minimum score of 100 on the Internet-based test (iBT), with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (*IELTS*) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores. For more information about proof of proficiency, refer to the [Admissions section](#) of the School's website.

Graduate Certificate in Digital Archives Management; Graduate Certificate in Information and Knowledge Management; and Graduate Certificate in Information Architecture and Design

1. Applicants must have a bachelor's degree from a recognized university. The applicant must present evidence of academic achievement: a minimum standing equivalent to a "McGill" cumulative grade point average (CGPA) of 3.0 out of a possible 4.0 or a grade point average (GPA) of 3.2 out of 4.0 for the last two full-time academic years if the overall CGPA is 2.8 or higher.
2. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (*TOEFL*) with a minimum score of 100 on the Internet-based test (iBT), with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (*IELTS*) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English language competency beyond the submission of the TOEFL or IELTS scores. For more information about proof of proficiency, refer to the [Admissions section](#) of the School's website.

Graduate Certificate in Library and Information Studies

1. Applicants should have a master's degree in Library and Information Studies from a program accredited by the American Library Association (or equivalent). Candidates will normally have at least three years' professional experience following completion of their master's degree.
2. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English prior to admission. Such proof normally comprises the Test of English as a Foreign Language (*TOEFL*) with a minimum score of 100 on the Internet-based test (iBT), with a written score of at least 25 and a reading, speaking, and listening score not less than 20, or the International English Language Testing System (*IELTS*) with a minimum overall band score of 7.5. Applicants whose mother tongue is not English may be asked to demonstrate English-language competency beyond the submission of the TOEFL or IELTS scores. For more information about proof of proficiency, refer to the [Admissions section](#) of the School's website.

3.1211.32 Application Procedures

Detailed graduate application procedures and McGill's uApply online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

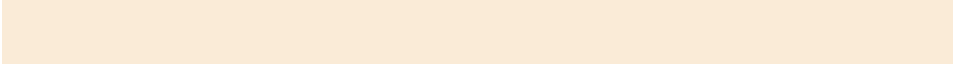
3.1211.32.1 Additional Requirements

The additional requirements for application are currently under review. For the latest information, please see the [Admissions section](#) of the School's website.

3.1211.33 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 School of Information Studies and may be revised at any time. Completed applications, including all supporting documentation (e.g., uploaded documents and references received from referees), are due by the appropriate deadline. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

For all applications, all supporting documentation (e.g., uploaded documents and references) must be submitted by January 15.



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

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0-12 credits from other 500-, 600-, or 700-level courses; up to 6 credits may be from other Quebec univ

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. Knowledge

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)

INFS 680	(3)	Introduction to Information Security and Cryptography
INFS 681	(3)	Modern Software Exploitation and Defence
INFS 682	(3)	Network and Endpoint Security
INFS 683	(3)	Windows and Linux OS Hardening
INFS 684	(3)	Information Security Management

3.12.11.9 Graduate Certificate (Gr. Cert.) Digital Archives Management (15 credits)

This program is intended to prepare students to work in the area of digital archivINFSw1 0 0 1 359.31.9066.37 T1m(INFSv1 0 0 1 315.216 559.37 T1m(INFSj1 0 0 1 304.54

Required Course (6 credits)

GLIS 617	(3)	Information System Design
GLIS 625	(3)	Information Architecture

Complementary Courses (9 credits)

GLIS 616	(3)	Information Retrieval
GLIS 626	(3)	Usability Analysis and Assessment
GLIS 627	(3)	User-Centered Design
GLIS 629	(3)	Information Security
GLIS 630	(3)	Data Mining
GLIS 633	(3)	Digital Media
GLIS 634	(3)	Web System Design and Management
GLIS 657	(3)	Database Design and Development

3.12.11.11 Graduate Certificate (Gr. Cert.) Information and Knowledge Management (15 credits)

This program is intended to prepare students to work as information and knowledge managers in a variety of sectors. The graduate courses in the 7e 237.08 602.762 h.

0-6 credits of non-GLIS courses with a maximum of 3 credits from outside McGill. All such courses must be at a graduate level and receive prior approval of the student's adviser(s) and the School's Director.

3.12.12 International Development

3.12.12.1 Location

Institute for the Study of International Development (ISID)
3610 McTavish 2nd Floor
Montreal QC H3A 1Y2
Canada
Telephone: 514-398-3507
Email: info.isid@mcgill.ca
Website: mcgill.ca/isid

Administration

Erik Kuhonta – *Director*

Iain Blair – *Administrative Officer*

Email: iain.blair@mcgill.ca

Sherryl Ramsahai – *Administrative Coordinator*

Email: sherryl.ramsahai@mcgill.ca

Lisa Stanischewski – *Student Advising Administrator*

Email: lisa.stanischewski@mcgill.ca

Kirsty McKinnon – *Administrative and Student Affairs Coordinator*

Email: kirsty.mckinnon@mcgill.ca

3.12.12.2 About the Institute for the Study of International Development

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.

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
 Website: 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:

- African Studies Program
- Arabic Literatures
- Arab American/Arab Canadian Literatures
- Persian Literature
- Urdu Literature
- South-Asian Literature
- Islamic Theology
- Islamic Philosophy
- Science in Islamic Societies
- 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.

The degrees and specializations offered at the Institute are:

- M.A. in Islamic Studies (Thesis)

- M.A. in Islamic Studies (Thesis) with Option in Gender and Women's Studies
- Ph.D. in Islamic Studies
- Ph.D. in Islamic Studies with Option in Gender and Women's Studies

The Islamic Studies Library is especially strong in its reference materials and periodical holdings for Islamic regions. The collection, one of the largest in North America, contains over 150,000 volumes in principal European languages as well as in Arabic, Persian, Turkish, Urdu, and other non-European languages.

section 3.12.13.5: Master of Arts (M.A.) Islamic Studies (Thesis) (45 credits)

Students pursuing the M.A. in Islamic Studies at the Institute normally have an undergraduate specialization in the Humanities or Social Sciences, preferably with a major in Islamic Studies or Middle Eastern Studies. Knowledge of Arabic or Persian at the first-year level is an asset. The atmosphere at the Institute is strongly international and the excellent student-teacher ratio is conducive to a high degree of interaction. Subsequent career paths include teaching at the secondary and post-secondary levels, working for NGOs, government agencies, or companies doing business in Islamic countries, and further graduate study in this field.

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

This option is an interdisciplinary program for students who wish to specialize in Islamic Studies and earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. Students pursuing the degree at the Institute normally have an undergraduate specialization in the Humanities or Social Sciences, preferably with a major in Islamic Studies or Middle Eastern Studies. Knowledge of Arabic or Persian at the first-year level is an asset. The student's master's thesis must be on a topic centrally relating to issues of gender and/or women's studies. Subsequent career paths include teaching at the secondary and post-secondary levels, working for NGOs, government agencies, or companies doing business in Islamic countries, and further graduate study in this field.

section 3.12.13.7: Doctor of Philosophy (Ph.D.) Islamic Studies

Students pursuing the Ph.D. in Islamic Studies at the Institute normally have a graduate specialization in the Humanities or Social Sciences, preferably in Islamic Studies or Middle Eastern Studies. Knowledge of Arabic or Persian at the second-year level is an asset. Admission to the Ph.D. program will be granted on the basis of the Admissions Committee's opinion that the applicant can successfully fulfil the academic requirements of the program within an appropriate span of time (normally six years). The language component of the degree is demanding; students are required to have knowledge of Arabic or Persian, a second Islamic language, and a research, usually European, language.

Our Institute has been extremely successful in placing its Ph.D. graduates in top-ranking academic jobs in North America. Institute alumni now hold positions at Harvard, Yale, and Princeton, as well as at leading Canadian universities. Our graduates help to ensure that a plurality of approaches to Islamic civilization is available to the students of today and tomorrow.

section 3.12.13.8: Doctor of Philosophy (Ph.D.) Islamic Studies: Gender and Women's Studies

This option is an interdisciplinary program for students who wish to specialize in Islamic Studies and earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's Ph.D. thesis must be on a topic centrally relating to issues of gender and/or women's studies. Students pursuing the Ph.D. in Islamic Studies at the Institute normally have a graduate specialization in the Humanities or Social Sciences, preferably in Islamic Studies or Middle Eastern Studies. Knowledge of Arabic or Persian at the second-year level is an asset. Admission to the Ph.D. program will be granted on the basis of the Admissions Committee's opinion that the applicant can successfully fulfil the academic requirements of the program within an appropriate span of time (normally six years). The language component of the degree is demanding; students are required to have knowledge of Arabic or Persian, a second Islamic language, and a research (usually European) language.

Our Institute has been extremely successful in placing its Ph.D. graduates in top-ranking academic jobs in North America. Institute alumni now hold positions at Harvard, Yale, and Princeton, as well as at leading Canadian universities. Our graduates help to ensure that a plurality of approaches to Islamic civilization is available to the students of today and tomorrow.

3.12.13.3 Islamic Studies Admission Requirements and Application Procedures

3.12.13.3.1 Admission Requirements

Applicants must have a degree (B.A. or M.A.) from a recognized university, with a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0 (or equivalent), or a grade point average (GPA) of 3.2 out of 4.0 in the last two years of full-time studies, according to Canadian standards. The degree should be in the Humanities or Social Sciences, preferably in Islamic or Middle Eastern Studies.

Applicants to graduate studies whose mother tongue is not English should refer to the Graduate and Postdoctoral Studies website at 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/applat

3.12.13.3.1 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-studies

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](#).

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Dec. 15	Dec. 15	Dec. 15
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly, late and/or incomplete applications will not be considered.

3.12.13.4 World Islamic and Middle East Studies Faculty**Director**

Michelle L. Hartman

Emeritus and Retired Professors

Sajida S. Alvi; Hermann A. Landolt; Eric Ormsby; F. Jamil Ragep; A. Üner Turgay.

Professors

Rula J. Abisaab; Michelle L. Hartman; Laila Parsons; Robert Wisnovsky.

Associate Professors

Malek H. Abisaab; Prashant Keshavmurthy; Pasha M. Khan; Setrag Manoukian; Khalid M. Medani.

Assistant Professor

Sara Abdel-Latif; Aslihan Gürbüz.

Senior Faculty Lecturer

Shokry Gohar

Faculty Lecturer

David Nancekivell

3.12.13.5 Master of Arts (M.A.) Islamic Studies (Thesis) (45 credits)**Thesis Courses (24 credits)**

ISLA 697	(6)	Thesis Research 1
ISLA 698	(6)	Thesis Research 2
ISLA 699	(12)	Thesis Research 3

Required Course (3 credits)

ISLA 603 (3) Introductory: Research Materials - Islamic Studies

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 coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's master's thesis must be on a topic centrally relating to issues of gender or women's studies.

Thesis (24 credits)

ISLA 697 (6) Thesis Research 1
ISLA 698 (6) Thesis Research 2
ISLA 699 (12) Thesis Research 3

Required Courses (6 credits)

ISLA 603 (3) Introductory: Research Materials - Islamic Studies
WMST 602 (3) Feminist Research Symposium

Complementary Courses (15 credits)

3 credit of a seminar course at the 600 or 700 level

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 course, responsible for whatever higher levels are required for their research.

In addition to English, reading knowledge of one non-Islamic language (usually European) at a level of scholarly competence will be required for the Ph.D. Students must demonstrate their competence in the non-Islamic (usually European) research language by passing the Language Proficiency Examination administered by the Institute.

3.12.13.8 Doctor of Philosophy (Ph.D.) Islamic Studies: Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Islamic Studies who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's Ph.D. thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Thesis

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)

ISLA 603	(3)	Introductory: Research Materials - Islamic Studies
ISLA 701	(0)	Comprehensive Examination
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Complementary Courses (21 credits)

21 credits of courses at the 500 level or higher, including 6 credits at the 600 or 700 level of seminars offered by the Institute of Islamic Studies (IIS) AND an additional 3 credits in a course with a substantive focus on women and/or gender.

* 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. They may demonstrate competence in this language by taking a proficiency examination set by the academic staff of the IIS. Students are, of course, responsible for whatever higher levels are required for their research.

In addition to English, reading knowledge of one non-Islamic research language (usually European) at a level of scholarly competence will be required for the Ph.D. Students must demonstrate their competence in the non-Islamic (usually European) research language by passing the Language Proficiency Examination administered by the Institute.

3.12.14 Jewish Studies

3.12.14.1 Location

Department of Jewish Studies
855 Sherbrooke West, Leacock Building, 7th floor
Montreal QC H3A 2T7
Canada
Telephone: 514-398-2844
Website: mcgill.ca/jewishstudies

3.12.14.2 About Jewish Studies

The Department of Jewish Studies offers an interdisciplinary approach to the study of Judaica. It welcomes students interested in deepening their knowledge of Jewish history and Jewish texts. Students have the choice of a thesis or non-thesis M.A. in Jewish Studies and may choose to complete the thesis M.A. with a stream in the History of the Jewish Interpretation of the Bible. An *ad hoc* Ph.D. is also available. We have particular research and teaching strengths in the following areas: Hebrew Bible and its interpretation; rabbinics and codes; medieval and modern Jewish thought; Eastern European Jewish history; Jewish literature (Hebrew, Yiddish, English); and contemporary North American Jewish life. These areas are broadly construed to accommodate the range of research interests in the Department. Students develop close relationships with their supervisors and benefit from the diverse expertise available in our Department and in the University at large.

While the thesis option is designed for students undertaking advanced research in one of the areas above, the non-thesis option offers a generalist degree in Jewish studies.

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

This program is aimed at students who have acquired a rich background in Jewish studies through their B.A. and who are now ready to focus their study on one period and/or discipline within the broad field of Jewish civilizational studies. Students choosing Eastern European studies, Jewish thought, or Hebrew literature must enter the program with a good command of either Hebrew or Yiddish according to their chosen specialization.

Students may also choose to complete the M.A. (Thesis) program with a stream in the History of the Jewish Interpretation of the Bible. This stream is aimed at students who have acquired a rich background in Bible and Jewish studies through their B.A. and who now wish to study the Bible and its interpretation within Jewish circles at an advanced level. Students choosing this path must enter the program with a good command of Hebrew.

The degree is normally completed within two years. Subsequent career paths are varied, but could include work in Jewish communal agencies, Jewish schools, Jewish foundations, the rabbinate, or further graduate study in a related field.

section 3.12.14.6 0 0 1 205.571 248.5no

Emeritus Professor

B. Barry Levy

Professors

David Aberbach; Carlos Fraenkel; Gershon Hundert.

Associate Professors

Eric Caplan; Yael Halevi-Wise; Lawrence Kaplan.

Assistant Professor

Urszula Madej-Krupitski; Christopher Silver.

Lecturers

Lea Fima; Yuri Vedenyapin.

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 (20 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 Bib

JWST 548	(3)	Medieval Parshanut
JWST 554	(3)	Modern Jewish Biblical Scholarship
JWST 571	(3)	Biblical Literature
JWST 573	(3)	History of Hebrew Bible Text
JWST 575	(3)	Topics in Parshanut
JWST 581	(3)	Aramaic Language
JWST 587	(3)	Tutorial in Yiddish 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
 Website: 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: Jewish 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 holds firm to the highest standards of excellence in graduate student training.

3.12.15.2.1 Digital Humanities (*Ad Hoc*)

The Department of Languages, Literatures, and Cultures of LoT;

The Department of Languages, Literatures, and Cultures also offers the possibility of directly entering a Ph.D. program in Italian Studies on an *ad hoc* basis; or, with the permission of the supervisor and the approval of the Graduate Program Director, exceptional students may transfer from the M.A. to the *ad hoc* Ph.D. program.

section 3.12.15.11: Master of Arts (M.A.) Italian (Thesis) (45 credits)

Students enrolled in the M.A. (thesis) option complete seven 3-credit courses and write an M.A. thesis under the direction of a faculty member.

section 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, working in such areas as:

- The Russian novel, the Russian short story;
- Dostoevsky, Tolstoy, Chekhov, and Nabokov;
- Russian opera, drama, folklore and film studies;
- Russian Romanticism, Russian Modernism, and the Russian Avant-Garde;
- High Stalinist Culture and Post-Soviet Culture;
- Cultural mythology;
- Intermediality;
- Russian Visual Culture.

We also offer a broad and flexible range of graduate seminars. Graduate students collaborate with the [Department of Art History and Communication Studies](#), [World Cinemas](#), and the [Institute for Gender, Sexuality, and Feminist Studies](#) (IGSF). Our small but dynamic program allows for a great deal of personal attention, an atmosphere of collegiality, and a close-knit intellectual community.

Students also have the option of taking the *IELTS* (International English Language Testing Service System) examination, for which the minimum score is an overall band average of 6.5 (academic module). McGill University accepts only scores submitted electronically by an IELTS test centre and no longer accepts paper TRFs (Test Report Forms) directly from test centres and candidates. Please contact the test centre where you took the IELTS test and request that your test scores be sent electronically to McGill. You can verify your results directly in uApply.

GERMAN STUDIES

- **Master's:**

In order to be admitted to the M.A. program in German Studies, candidates must have at least a B.A. degree in German from McGill University or an equivalent degree from another college or university of recognized standing.

Applicants with joint degrees or majors degrees may be admitted on individual merit but they may be required to take additional courses. They may also be able to enter the program as Qualifying students for the purpose of completing these preliminary studies.

In order to pursue graduate studies in German, all candidates must have considerable fluency in German.

Graduate students holding a Language Instructorship or who are otherwise employed will normally not be allowed to take more than four courses a year. Students may be required to attend an approved course in English if their knowledge of that language is judged inadequate. All graduate students are expected to attend the staff-student colloquium.

- **Ph.D.:**

M.A. or equivalent.

HISPANIC STUDIES

- **M.A. Degree (Non-Thesis or Thesis; currently, students are only admitted to the thesis option in exceptional circumstances):**

In order to be admitted to graduate work in Hispanic Studies, candidates must fulfil the following prerequisites:

1. Candidates must possess a B.A. degree with Honours or, in certain cases, Joint Honours in Hispanic Studies from McGill University, or an equivalent degree from another college or university of recognized standing.
2. Candidates who do not possess the above prerequisites may, with special permission, enter the Department as Qualifying students for the purpose of completing these preliminary studies.

Students may be required to attend an approved course in English or French if their knowledge of either language is deemed inadequate.

Prospective candidates may certainly express their preference, but should note that the Hispanic Studies Graduate Committee reserves the right to determine which of the two options (thesis/non-thesis) students admitted to the M.A. program will be permitted to pursue and/or continue to completion.

- **Ph.D. Degree:**

Applicants must normally possess an M.A. in Hispanic Studies, or in a related discipline, from a university of recognized standing. These applicants will be admitted to Ph.D. 2 and follow the program requirements listed below. Exceptionally qualified candidates may apply to enter into Ph.D. 1 directly from the B.A. Honours, and may be required to complete an additional six 3-credit courses above those listed below.

Applicants must demonstrate proficiency in Spanish, and when appropriate, in Portuguese, plus a working knowledge of either French or English.

Applicants should submit samples of research papers that they have completed during the course of their previous studies. Submission of the results of the Graduate Record Examination (GRE) is recommended, but not required.

ITALIAN STUDIES

The B.A. degree with Honours or Joint Honours in Italian or its equivalent and a CGPA of 3.2 constitute the minimum requirement. Applicants who do not have these prerequisites may be admitted to a Qualifying year or, in some cases, to a Qualifying term.

RUSSIAN AND SLAVIC STUDIES

The minimum academic requirement is normally a high standing in an undergraduate degree with Honours Russian (or an equivalent specialization). Further, the Admissions Committee must be convinced that the candidate for admission has an aptitude for research work and will be able to make an original contribution to knowledge.

A working knowledge of French is recommended for the Ph.D. program.

Any necessary preparation to fulfil these requirements will be offered within Russian Studies or elsewhere at McGill. Certain graduate courses may be taken with special permission at other approved universities.

3.12.15.32 Application Procedures for Languages, Literatures, and Cultures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

3.12.15.32.1 Additional Requirements

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

- Written Work
- Additional Writing Sample – for Italian Studies only: a critical essay, written in Italian if the written work submitted is in English

- Research Proposal – which should include a brief personal statement. For the *Ad Hoc* M.A. in Digital Humanities only, the research proposal should also illustrate the applicant's computational experience (programming languages, digital projects)
- Interview – for Russian and Slavic Studies only; where appropriate, by telephone if necessary, with members of the Department's Graduate Committee
- Curriculum Vitae

3.12.15.3.3 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 Languages, Literatures, and Cultures and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in adv

Faculty Lecturers

Sandra Barriales-Bouche; Lucia Chamanadjian; Cristiana Furlan; Anny Guimont; Maria Ivanova; Zora Kadrybekova; Sun-Young Kim; Maria-Teresa Mascaro; Maria Karleen Morrison; Anna Maria Tumino.

3.12.15.5 Master of Arts (M.A.) German (Thesis) (45 credits)

Thesis Courses (27 credits)

GERM 690	(9)	Thesis Research 1
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

As a rule, it will take a student at least three years after the M.A. de

All courses, comprehensive examinations and language requirements will normally be completed before the dissertation topic is formally approved. A dissertation proposal should be submitted to the Graduate Committee of the Department of Hispanic Studies for approval no later than the end of the second year of full-time doctoral studies.

All general regulations of Graduate and Postdoctoral Studies regarding the Ph.D. degree shall apply.

Required Academic Activities: All candidates preparing their dissertation are required to give an annual formal presentation of their research to the Department, normally beginning in their third year of full-time doctoral studies.

3.12.15.11 Master of Arts (M.A.) Italian (Thesis) (45 credits)

Thesis Courses (24 credits)

ITAL 698	(6)	Thesis Proposal
ITAL 699	(18)	Thesis

Required Courses (12 credits)

ITAL 602	(3)	The Literary Tradition
ITAL 610	(3)	Bibliography of Italian Literature
ITAL 619	(3)	Topics in Literary Theory
ITAL 680	(3)	Research Seminar

Complementary Courses (9 credits)

9 additional course credits, chosen in consultation with an adviser from among the graduate courses offered by the Department. The three courses should cover three distinct chronological periods in Italian literature.

A maximum of 6 credits of graduate courses may be taken outside the Italian Studies Department, upon the advice of the Supervisor and with the permission of the Graduate Studies Director.

In exceptional cases, when program requirements cannot be fulfilled otherwise, students may take ITAL 606 Individual Reading Course 1 and ITAL 607 Individual Reading Course 2 of

Typically, the first year of the program will consist of: Literary Theory course, ITAL 610, three complementary courses, and ITAL 690. The second year will include ITAL 602, ITAL 680, two complementary courses, and ITAL 691.

3.12.15.13 Master of Arts (M.A.) Russian (Thesis) (45 credits)

Thesis Courses (27 credits)

The Thesis Proposal is normally submitted for review by the Department Graduate Committee at the end of the second term of residency. Candidates should consult the Department Thesis Proposal Guidelines.

RUSS 691	(3)	M.A. Thesis Proposal
RUSS 692	(24)	M.A. Thesis

Complementary Courses (18 credits)

12-18 credits of graduate coursework in the Department

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

RUSS 600 and RUSS 601 will be added as complementary courses if the Department deems it necessary.

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

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

English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency.

3.12.16.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Applicants are urged to read detailed information on application procedures on the [Department of Linguistics' website](#).

3.12.16.3.2.1 Additional Requirements

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

- Statement of Research Interests
- Curriculum Vitae
- Writing Sample

3.12.16.3.3 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 Linguistics Department and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Dec. 10	Dec. 10	Dec. 10
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Admission to graduate studies is competitive; accordingly

Required Courses (6 credits)

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

Complementary Courses (21 credits)

6-12 credits from:

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

6-15 credits in Linguistics at the 500, 600, or 700 level.

0-3 credits in a related field at the 500, 600, or 700 level, chosen in consultation with the supervisor and the graduate program director.

3.12.16.6 Master of Arts (M.A.) Linguistics (Non-Thesis) (45 credits)

The M.A. in Linguistics; Non-Thesis involves intensive coursework in year 1, followed by additional coursework and completion of a major research paper in year 2. This program is intended for students who wish to gain coursework and research experience in Linguistics beyond the B.A. level. After completion of the M.A., students may choose to continue on to a Ph.D. or pursue a career in a related field.

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

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 601	(3)	Graduate Research Seminar 1
LING 602	(3)	Graduate Research Seminar 2
LING 706	(0)	Ph.D. Evaluation 1
LING 707	(0)	Ph.D. Evaluation 2

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

Complementary Courses (30 credits)

9-12 credits from the following:

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

18-21 credits to be chosen from among 500-level or above departmental course offerings in consultation with the supervisor(s) and the graduate program director. Courses in other departments may be approved by the graduate program director.

Revision, June 2022. End of revision.

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

3 credits of statistics from the following list

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

Students who have taken an equivalent course in statistics, or are currently taking an equivalent course as part of their Ph.D. program requirements, will be deemed to have satisfied this requirement for the Language Acquisition Option.

3 credits from the following:

LING 665	(3)	Semantics 4
LING 675	(3)	Syntax 4

6 credits from the following methods courses:

LING 610	(3)	Linguistic Field Research
LING 620	(3)	Experimental Linguistics: Methods
LING 645	(3)	Computational Research on Language
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:

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 courses.

Master of Science (M.Sc.) Programs in Mathematics and Statistics

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

section 15.12.7.5: Master of Science (M.Sc.) Mathematics and Statistics (Thesis) (45 credits)

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

section 15.12.7.6: Master of Science (M.Sc.) Mathematics and Statistics (Non-Thesis) (45 credits)

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

Ph.D. Programs in Mathematics and Statistics**section 3.12.17.7: Doctor of Philosophy (Ph.D.) Mathematics and Statistics**

The Department offers a course of studies leading to the Ph.D. degree. It differs substantially from the master's programs in that the student must write a thesis that makes an original contribution to knowledge. The thesis topic is chosen by the student in consultation with the research supervisor. The thesis must be examined and approved by an internal examiner (normally the research supervisor), an external examiner, and the Oral Examination Committee. The student must present an oral defence of the thesis before that Committee. To submit a thesis for examination, the student must first pass comprehensive examinations.

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 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.

3.12.17.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

3.12.17.3.2.1 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.

3.12.17.3 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-program.

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15
Winter Term:	Feb. 15	Jul. 15	Sept. 1	Sept. 1
Summer Term:	N/A	N/A	N/A	N/A

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

3.12.17.4 Mathematics and Statistics Faculty

Chair

Jacques C. Hurtubise

Graduate Program Director

Jérôme Vétois

Undergraduate Program Director

Johanna Neslehova

Emeritus Professors

William J. Anderson; Michael Barr; William G. Brown; Marta Bunge; Ian Connell; Stephen Drury; Kohur N. GowriSankaran; Paul Koosis; Michael Makkai; Sherwin Maslowe; Arak M. Mathai; Karl Peter Russell; Georg Schmidt; George P.H. Styan; Kwok Kuen Tam; John C. Taylor; David Wolfson; Jian-Jun Xu; Sanjo Zlobec.

Professors

Louigi Addario-Berry; Masoud Asgharian; Peter Bartello; Rustum Choksi; Henri Darmon; Christian Genest; Eyal Z. Goren; Pengfei Guan; Jacques C. Hurtubise; Dmitry Jakobson; Vojkan Jaksic; Niky Kamran; Johanna Neslehova; Adam Ob0 12; JohaqueRotg c..H. Styan; Kw

Faculty Lecturers

Rosalie Bélanger-Rioux; José A. Correa; Jérôme Fortier; Jens Kreitewolf, *joint with Psychology*; Jeremy Macdonald; Tharshanna Nadarajah; Alia Sajjad; Sidney Trudeau.

3.12.18.2 About Philosophy

The Department of Philosophy has particular strength in the following areas:

- Ancient Philosophy;
- Early Modern Philosophy;
- Kant and post-Kantian German Philosophy;
- Philosophy of Language and Philosophy of Mind;
- Aesthetics;
- Moral and Political Philosophy;
- Feminist Philosophy;
- History and Philosophy of Science and Mathematics;
- Contemporary European Philosophy.

The Department offers assistance to students in every aspect of placement. Our Placement Officer counsels students about coursework and areas of competence, helps to establish evidence of teaching ability, administers the dossier for job applications, and provides advice and follow-up in the interview process. Many of our graduates have gone on to do postdoctoral research and over 80% are now in tenure track or sessional appointments.

The Department offers courses of study leading to the **Ph.D.** in Philosophy. It also offers, in conjunction with the Biomedical Ethics Unit, a course of study leading to the **M.A.** degree in Bioethics.

Ph.D. Program

By December 15 of their third year in the program (Ph.D. 3) for students admitted at Ph.D. 1 and August 15 in their second year in the program (Ph.D. 3) for students admitted at Ph.D. 2, students must submit a research paper (the “candidacy paper” [3 credits]), which may be worked up from a paper written to fulfil the requirements of a graduate course, to a Thesis Advancement Committee consisting of a least two members of the staff of the Department. The membership of this committee will be determined by the Graduate Director in consultation with the student; it is anticipated that members of this committee would, in principle, direct the student's thesis.

This committee assigns a grade to the student's paper and reviews her or his graduate performance; on the basis of its assessment and review, it recommends to the Department as a whole either to permit the student to continue with the Ph.D. program and undertake a thesis or to decline to permit the student to continue. Two necessary conditions for a positive recommendation are that the student **(a)** receive a grade of at least B+ on the candidacy paper, and **(b)** have at least a 3.5 GPA (on the undergraduate Grade Point scale) in the coursework required for the program.

The Department as a whole, taking into account the Thesis Advancement Committee's recommendation and the student's overall academic record in the program, decides whether to permit the student to continue. Students who do not receive a positive recommendation but who satisfy Graduate and Postdoctoral Studies requirements (no courses below a B- and completion of 45 credits) will be recommended to Graduate and Postdoctoral Studies by the Department to transfer from the Ph.D. program to the M.A. program.

Graduate students are expected to continue to contribute to the intellectual life of the Department after being promoted to candidacy. They can do so by participating in reading and discussion groups and, most of all, by auditing seminars both within and 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 have completed it in 18 months. The first year is devoted to coursework (including a clinical practicum), and the second year is dev

section 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.

section 3.12.18.9: Doctor of Philosophy (Ph.D.) Philosophy: Teaching Philosophy

The Ph.D. in Philosophy: Teaching Philosophy focuses on the theoretical and practical skills necessary to become an effective teacher of philosophy, including pedagogical issues that may be specific to the discipline of philosophy. Guidance is provided by a faculty mentor. Participation in the broader teaching activities of the Department (e.g., teaching assistants, training workshops, guest lecturing).

3.12.18.3 Philosophy Admission Requirements and Application Procedures

3.12.18.3.1 Admission Requirements

Ph.D.

The Department admits students into two degrees: Master in Arts, specialization in Biomedical Ethics, and a Doctor in Philosophy. PhD1 is a direct-entry program for students with an Honours BA degree in Philosophy or the equivalent. PhD2 is a program for students who hold an MA degree in Philosoph

Application Opening Dates			Application Deadlines	
Fall Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

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



Note: The Department considers admissions for the Fall term only. Applications for Winter or Summer term admission will not be considered.

3.12.18.4 Philosophy Faculty

Chair

Ian Gold

Emeritus Professors

George Di Giovanni; Storrs McCall; James McGilvray; Calvin Normore; Charles Taylor.

Professors

David Davies; Marguerite Deslauriers; Carlos Fraenkel; (*joint appt. with Jewish Studies*); Ian Gold; (*joint appt. with Psychiatry*); Michael Hallett; Iwao Hirose; (*joint appt. with Bieler School of Environment*); Jocelyn Maclure; Stephen Menn; Natalie Stoljar; Daniel Weinstock.

Associate Professors

Alia Al-Saji; Michael Blome-Tillmann; R. Philip Buckley; Emily Carson; Gaëlle Fiasse; Alison Laywine; Eric Lewis; Dirk Schlimm; Hasana Sharp; Eran Tal; Kristin Voigt.

Assistant Professors

Christopher Howard; Stephanie Leary.

Adjunct Professor

Susan-Judith Hoffmann

Auxiliary Professor

Konstantinos Arvanitakis

Associate Members

Arash Abizadeh; Phoebe Friesen; Brendan S. Gillon; Jacob T. Levy; Robert Wisnovsky.

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.

(3)

PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language
PHIL 619	(3)	Seminar: Epistemology
PHIL 621	(3)	Seminar: Metaphysics
PHIL 670	(3)	Seminar: Contemporary Analytic Philosophy

and/or any other course at the 500 level or higher in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics covered, PHIL 607 and PHIL 682 may count toward the area requirements.

The remaining course(s) must be at the 500, 600, or 700 level and are to be chosen in consultation with the student's advisory committee.

Language Requirement

At least 6 credits from:

PHIL 607***	(6)	Pro-Seminar 1
PHIL 634	(3)	Seminar: Ethics
PHIL 643	(3)	Seminar: Medical Ethics
PHIL 644	(3)	Political Theory
PHIL 648	(3)	Seminar: Philosophy of Law
PHIL 682***	(6)	Pro-Seminar 3

and/or any other course at the 500 level or higher in Value Theory recommended/accepted by the student's advisory committee.

*** When the topic is appropriate.

At least 6 credits from:

PHIL 607***	(6)	Pro-Seminar 1
PHIL 610	(3)	Seminar on Advanced Logic 2
PHIL 611	(3)	Seminar: Philosophy of Logic and Mathematics
PHIL 615	(3)	Seminar: Philosophy of Language
PHIL 619	(3)	Seminar: Epistemology
PHIL 621	(3)	Seminar: Metaphysics
PHIL 670	(3)	Seminar: Contemporary Analytic Philosophy
PHIL 682***	(6)	Pro-Seminar 3

and/or any other course at the 500 level or higher in Metaphysics and Epistemology recommended/accepted by the student's advisory committee.

*** When topic is appropriate.

The remaining 3-9 credits must be at the 500 level or higher and are to be chosen in consultation with the student's advisory committee.

Language Requirement

One research language at the advanced level or two research languages at the intermediate level.

ENVR 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 Civilization and En
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Thesis

PHIL 670

(3)

Seminar: Contemporary Analytic Philosophy

and/or any other course at the 500, 600, or 700 level in Metaphysics and Epistemology recommended/accepted by the student's advisory committee. Depending on the topics cov

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
Seminar: Philosoph

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.

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 admission and the program as well as part of the program, as will knowledge of a third European language.

section 3.12.19.8: Master of Arts (M.A.) Political Science (Non-Thesis) (45 credits)

The M.A. program is generally recognized as among the most demanding and rewarding in Canada. Students in the non-thesis program will submit a research essay. The research essay will normally be based on a paper written for a graduate seminar or an independent reading course. The research essay requirement also applies to each of the non-thesis options listed below.

section 3.12.19.9: Master of Arts (M.A.) Political Science (Non-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. Students enter through one of the participating departments and must meet the M.A. requirements of that unit. Students take an interdisciplinary seminar that will be co-taught by professors from two different disciplines (INTD 657 Development Studies Seminar) and a variety of graduate-level courses on international development issues.

Students interested in development will benefit from the expertise provided by the Institute for the Study of International Development. For more information on the Institute, see mcgill.ca/isid/teaching-programs/graduate/development-studies.

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 political Science (Non-Thesis) (45 credits)

section 3.12.19.12: Master of Arts (M.A.) Political Science (Non-Thesis): Social Statistics (45 credits)

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

The Social Statistics Option complements disciplinary training with research experience applying statistical methods to Statistics Canada data or equivalent. Students complete course requirements, supplemented by further statistical courses, as advised by the Option Adviser, and subject to approval by the Department, and a statistics-based M.A. research paper in conjunction with an interdisciplinary capstone seminar. See mcgill.ca/socialstatistics. Entrance to this option is by application to the Social Statistics Option Committee subsequent to acceptance into the Departmental program.

A research paper is required to demonstrate proficiency in research. It is normally about 50 pages in length and involves revision of a paper written for one of the graduate courses completed in the program. The research paper is evaluated by two faculty members in the Department.

Ph.D. Programs

section 3.12.19.13: Doctor of Philosophy (Ph.D.) Political Science

The doctoral program is designed to give students the necessary foundation for making original contributions to knowledge. Graduate courses provide students with analytical and theoretical tools used in particular subfields. This general training includes specialized training in research methods. Recent graduates of our doctoral program are pursuing diverse employment opportunities.

section 3.12.19.14: Doctor of Philosophy (Ph.D.) Political Science: 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 Political Science and who wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods.

This option is a cross-disciplinary specialization run by the *McGill Institute for Gender, Sexuality, and Feminist Studies*. The student's doctoral thesis must be on a topic centrally related to gender and/or women's studies. For more information on the option, see mcgill.ca/igsf/graduate-0.

3.12.19.3 Political Science Admission Requirements and Application Procedures

3.12.19.3.1 Admission Requirements

The Graduate Admissions Committee only considers applications from those who already have an undergraduate academic degree in political science or a closely related field (e.g., international studies, sociology, philosophy for prospective political theorists, etc.). Those without this required background occasionally enrol as Special Students in the undergraduate program and take upper-level undergraduate courses in order to build the academic record necessary to apply to the graduate program.

Master's

Students holding a B.A. degree may be eligible for admission to the M.A. program. Preparation equiv

- Writing Sample – Ph.D. only

3.12.19.3.3 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 Political Science and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Application D52.957 655.990052.rr0mentation radlines and 7te BT5358.603

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
POLI 698	(12)	Master's Thesis Submission

Required Course (3 credits)

POLI 694	(3)	Research Preparation 1
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Complementary Courses (18 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 advanced course at the 500 level or higher.

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

12-15 credits of 500- or 600-level courses as determined by the student's area of study.

Of the 18 credits of complementary courses, up to 3 credits at the 500 level or higher may be outside the Department.

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

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. It provides students with broad training in development studies. Students take an interdisciplinary seminar (INTD 657 Development Studies Seminar) that is co taught by professors from two different disciplines and a variety of graduate-level courses on international development issues. They write an M.A. thesis on a topic relating to development studies, approved by the DSO Coordinating Committee.

Thesis Courses (24 credits)

POLI 697	(12)	M.A. Thesis Proposal
POLI 698	(12)	Master's Thesis Submission

Required Courses (6 credits)

INTD 657	(3)	Development Studies Seminar
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

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:

POLI 612	(3)	Research Methods in Political Science
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or a suitable more advanced 500- or 600-level course.

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

12-15 credits of additional 500- or 600-level courses related to international development studies. Course list is available from the Department.

Of the 18 credits of complementary courses, up to 6 credits may be taken outside the Department.

Candidates for the M.A. degree follow an individual program in international development studies approved by the Department.

3.12.19.10 Master of Arts (M.A.) Political Science (Non-Thesis): European Studies (45 credits)**Research Project (18 credits)**

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

Required Courses (9 credits)

POLI 659	(3)	Interdisciplinary Seminar in European Studies
POLI 691	(6)	Bibliographic Methods 1

Complementary Courses (18 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 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)	Models of 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.

3.12.19.11 Master of Arts (M.A.) Political Science (Non-Thesis): Gender and Women's Studies (45 credits)

Research Project (18 credits)

POLI 693	(3)	M.A. Research Proposal
POLI 694	(3)	Research Preparation 1
POLI 695	(3)	Research Preparation 2
POLI 696	(3)	Research Preparation 3
POLI 699	(6)	Master's Research Essay

Required Courses (9 credits)

POLI 691	(6)	Bibliographic Methods 1 Feminist
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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**Revision, June 2022. Start of revision.**

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.

Revision, June 2022. End of revision.**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, chosen as follows:

Major Fields

12 credits chosen in the first major field of which 3 credits must be the core course in the field.

9 credits chosen in the second major field of which 3 credits must be the core course in the field.

Political Theory

3.12.20 Psychology

3.12.20.1 Location

Department of Psychology
2001 McGill College Avenue, 7th Floor
Montreal QC H3A 1G1
Canada
Telephone: 514-398-6127/514-398-6100
Fax: 514-398-4896
Email: grad.psych@mcgill.ca
Website: mcgill.ca/psychology

3.12.20.2 About Psychology

The aim of the Experimental program is to provide students with an environment in which they are free to develop skills and expertise that will serve during a professional career of teaching and research as a psychologist. Coursework and other requirements are at a minimum. Success in the program depends on the student's ability to organize unscheduled time for self education. Continuous involvement in research planning and execution is considered a very important component of the student's activities. Students are normally expected to do both master's and doctoral study.

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a step to the Ph.D.—students undergo formal evaluation beginning with the submission of their master's requirements (thesis or fast-track paper) to enter Ph.D. 2.

The Clinical program adheres to the scientist practitioner model and as such is designed to train students for careers in university teaching or clinical research, and for service careers (working with children or adults in hospital, clinical, or educational settings). Most of our clinical graduates combine service and research roles. While there are necessarily many more course requirements than in the Experimental program, the emphasis is again on research training. There is no master's program in Clinical Psychology; the Department offers direct entry to a doctoral degree for holders of an undergraduate degree, and students are expected to complete the full program leading to a doctoral degree.

Research interests of members of the Psychology Department include:

- behavioural neuroscience;
- clinical psychology;

section 15.12.9.5: Master of Science (M.Sc.) Psychology (Thesis) (45 credits)

Candidates must demonstrate a sound knowledge of modern psychological theory, of its historical development, and of the logic of statistical

- Curriculum Vitae
- Application Summary Sheet

For further details about these additional requirements, consult the Department of Psychology's [website](#).

3.12.20.33 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 Psychology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Associate Members

Anesthesia: T. Coderre

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
		Quantitative and Indi

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 of Behavioural Neuroscience 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

Doctoral Comprehensive Ex.252 rbntrib

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

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

0-2 from the following:

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

0-3 credits of statistics from the following list:

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

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
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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
Website: 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 policymaking process. The program will tackle today's most important policy issues in Canada and around the world from varied perspectives. It will also place more emphasis than is usual in such programs on practical skills including conflict resolution, persuasive writing, effective presentations, and the briefing of officials.

section 3.12.21.4: Master of Public Policy (M.P.P.) Public Policy (Non-Thesis) (45 credits)

More than ever, the world needs public policy that is creative, bold, and effective. That is why we're excited about the fourth year of the Max Bell School of Public Policy and its flagship master's program, whose mission is to explore the complexities of the policymaking process from various perspectives and to prepare the policy leaders of the future, in Canada and around the world.

3.12.21.2 Public Policy Admission Requirements and Application Procedures

3.12.21.2.1 Admission Requirements

The M.P.P. program is directed at early career professionals — ideally with two to five years of professional experience — who are interested in developing expertise in the field of public policy. Recent graduates with an exceptional academic record will also be considered; however, in the absence of professional experience, more weight will be placed on the applicants' academic record.

A Bachelor's degree (or equivalent as recognized by McGill University) is required.

The ideal applicant will have completed undergraduate courses in Political Science, Economics, Quantitative Methods, and Statistics.

An overall Cumulative Grade Point Average (CGPA) of 3.6 out of 4.0 or higher is recommended. A minimum CGPA of 3.0 out of a possible 4.0, OR a Grade Point Average (GPA) of 3.2 out of 4.0 in the last two years of full-time studies is required.

Applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian/American institution (anglophone or francophone) are required to take the Test of English as a Foreign Language (TOEFL). A minimum score of 100 for the Internet-based test (iBT) with each component score not less than 20 is required. Please use McGill's institutional code, **0935**, when writing the exam.

Applicants may write the IELTS (International English Language T

Required Courses (24 credits)

PPOL 601	(3)	Global Macroeconomic Policy
PPOL 602	(3)	Microeconomics for Public Policy
PPOL 603	(3)	Comparative Government Structures
PPOL 604	(3)	Law, Human Rights and Public Policy
PPOL 609	(3)	Reasoning About Public Policy
PPOL 620D1	(4.5)	Client-Focused Policy Laboratory
PPOL 620D2	(4.5)	Client-Focused Policy Laboratory

Complementary Courses (21 credits)

PPOL 645	(2)	Partisan Politics and Policy Process
PPOL 646	(2)	Budgeting and Fiscal Policy
PPOL 647	(2)	Achieving Policy Transparency
PPOL 648	(2)	Race, Inequality, and Public Policy
PPOL 650	(2)	Special Topics in Policy Complexity 1
PPOL 651	(2)	Special Topics in Policy Complexity 2
PPOL 652	(2)	Special Topics in Policy Complexity 3

Revision, June 2022. End of revision.

3.12.22 Quebec Studies / Études sur le Québec

3.12.22.1 Location

Quebec Studies Program / Programme d'études sur le Québec
840 Doctor-Penfield Ave, Room 102-E
Montreal QC H3A 1A4
Canada
Telephone: 514-398-3960
Website: mcgill.ca/qcst

Director – Professor Daniel Béland

Quebec Studies Scientific Coordinator – Stéphan Gervais

3.12.22.2 About Quebec Studies / Études sur le Québec

In 1963, McGill University established a French Canada Studies program. Some of the energies and resources of the program are devoted to research on Quebec and French Canada. In 1992, the name of the program was changed to Quebec Studies to reflect its central focus. Since 2014, Quebec Studies can 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 travaille à développer la recherche sur divers aspects du Québec et du Canada français. Le nom actuel du Programme, qui reflète l'importance accordée au Québec dans les cours qu'on y offre, remonte à 1992. Depuis 2014, le PÉQ peut bénéficier du réseau de chercheurs circulant au sein du Centre de recherches interdisciplinaires en études montréalaises (CRIEM), dont il partage les locaux.

Le Programme d'études sur le Québec offre des cours de premier cycle. Les étudiants qui désirent poursuivre des études en vue de l'obtention d'une maîtrise ou d'un doctorat sur le Québec doivent se tourner vers un département qui offre des programmes d'études supérieures.

Le Programme ouvre ses portes et ses ressources à tous les étudiants qui s'intéressent au Québec et à son étude, qu'ils soient ou non inscrits à la mineure en études québécoises.

3.12.23 Religious Studies

3.12.23.1 Location

School of Religious Studies
William and Henry Birks Building
3520 University Street
Montreal QC H3A 2A7
Canada
Telephone: 514-398-4121
Website: mcgill.ca/religiousstudies

3.12.23.2 About Religious Studies

The School of Religious Studies offers programs leading to the degrees of:

section 3.12.23.6: Master of Arts (M.A.) Religious Studies (Thesis): Bioethics (45 credits)

The M.A. (Thesis) with specialization in Bioethics is offered in conjunction with the Bioethics Unit. Please contact the School of Religious Studies or Bioethics Unit for more information about this specialization. The curriculum is composed of required courses (6 credits) offered in the Biomedical Ethics Unit, Bioethics courses (6 credit minimum) offered by the base faculty or department, and any graduate course required or accepted by a base faculty for the granting of a master's degree, for a total of 21 credits. A minimum of 45 credits is required including the thesis.

section 3.12.23.7: Master of Arts (M.A.) Religious Studies (Thesis): Gender and Women's Studies (45 credits)

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet degree requirements in Religious Studies (and other participating academic units and faculties) and who wish to focus on gender-related issues and feminist research and methodologies. Research focus is on a topic relating to gender issues or women's studies.

section 3.12.23.8: Master of Arts (M.A.) Religious Studies (Non-Thesis) (45 credits)

The M.A. without thesis is intended to ensure a student's well-rounded exposure to several religions and to several of the disciplinary approaches currently used in their academic study. Particular to this program is its ability to provide the student with the opportunity to develop three different research papers with reference to the student's own interests in Religious Studies, under the supervision of professors from various parts of the University.

section 3.12.23.9: Master of Sacred Theology (S.T.M.) Religious Studies (Non-Thesis) (45 credits)

The S.T.M. is meant for those who intend to enter the ministry of the Christian Church or another religious institution, or proceed to a teaching career or to some form of social work. This degree enables students to specialize in one area or discipline of theological study before or after the third year of the M.Div. and is unique in Canada. The S.T.M. program is fully accredited by the Association of Theological Schools in the U.S. and Canada.

section 3.12.23.10: Doctor of Philosophy (Ph.D.) Religious Studies

The purpose of the Ph.D. program is to engage students in advanced academic studies normally in preparation for an academic career. The community of graduate scholars in this program is engaged in a broad spectrum of critical research involving any number of interdisciplinary approaches conducted on a number of different religious traditions. The faculty members are committed to the training of teaching scholars, making the School of Religious Studies one of few schools that prioritizes offering graduate students opportunities under faculty supervision to teach/lecture during their time in the program.

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
 Website: mcgill.ca/biomedicaethicsumit

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 (15–20 pages) with their application. The application should specify one of the specializations listed in



Note: Admission to the School of Religious Studies is open for the Fall term only.

3.12.23.4 Religious Studies Faculty

Director

Garth W. Green

Graduate Program Director and Admissions Chair

W.J. Torrance Kirby

Administrative Officer

Francesca Maniaci

Emeritus Professors

Required Course (3 credits)

RELG 645 (3) Methods in Religious Studies

Complementary Courses (15 credits)

15 credits selected from the 500- or 600-level courses accepted by the School of Religious Studies for the granting of a master's degree.

Language Requirement

Students are required to give their area committee evidence of reading knowledge of a scholarly language other than English. This language may be either a modern language in which there is a significant amount of scholarship relevant to the student's area of research, or a classical language relevant to the student's area of research. If a classical language is chosen, it must be in addition to any prerequisite language for the area in question.

3.12.23.6 Master of Arts (M.A.) Religious Studies (Thesis): Bioethics (45 credits)**Thesis Courses (24 credits)**

BIOE 690 (3) M.Sc. Thesis Literature Survey
BIOE 691 (3) M.Sc. Thesis Research Proposal
BIOE 692 (6) M.Sc. Thesis Research Progress Report
BIOE 693 (12) M.Sc. Thesis

Required Courses (12 credits)

BIOE 680 (3) Bioethical Theory
BIOE 681 (3) Bioethics Practicum
RELG 571 (3) Ethics, Medicine and Religion
RELG 645 (3) Methods in Religious Studies

Complementary Courses (9 credits)

9 credits at the 500 or 600 level, deemed necessary or accepted by the base faculty for the granting of a master's degree, in consultation with the supervisor.

3.12.23.7 Master of Arts (M.A.) Religious Studies (Thesis): Gender and Women's Studies (45 credits)**Thesis Courses**

27 credits from:

WMST 602 (3) Feminist Research Symposium

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 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.

3.12.23.9 Master of Sacred Theology (S.T.M.) Religious Studies (Non-Thesis) (45 credits)

ATS Accreditation:

The S.T.M. program is fully accredited by the Association of Theological Schools in the U.S. and Canada.

The normal requirement is two years (of two terms each) of full-time study, but the degree may, by permission, be taken on a part-time basis.

Note: Ordination requirements for S.T.M. graduates will normally involve a further year of professional pastoral studies (the In-Ministry Year) provided by the Montreal School of Theology, which is affiliated with the School of Religious Studies.

Required Courses (15 credits)

RELG 645 (3) Methods in Religious Studies

Research Project 16457s affiliated with the School o20 0 12 Tm(RELG 645)Tj/F0 8.3 Tf1 0 0 1 620 0 12 Tm(Tm(Comp

Students who take the S.T.M.; Non-Thesis as part of their ordination requirements are to choose their courses in consultation with the Principal of the Theological College with which they are associated.

Related courses, at the 500 level or higher, are also available in other departments and must be chosen in consultation with the S.T.M; Non-Thesis adviser.

3.12.23.10 Doctor of Philosophy (Ph.D.) Religious Studies

Thesis

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

and one 3-credit graduate seminar with a substantive focus on gender and/or women's studies.

One 3-credit graduate seminar must be at the 700 level.

Students entering into Ph.D. 2

Students entering into Ph.D. 2 are required to take a minimum of four (3-credit) graduate seminars including:

WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

and one 3-credit graduate seminar with a substantive focus on gender and/or women's studies.

634.607 Tm(Students entering into Ph.D)Tj1 0 0 1 176.565 634.607 Tm6(49.121 Tm(omen'Pi.12ia602.421 Tm0 0234.90LanguaD)Tj1 0 0 196.9421 Tm0 0234.90g1.9

Ph.D. Programs

For information on the doctoral programs, please refer to the appropriate Department – [section 3.12.1: Anthropology](#)

Fax: 514-398-4760

Email: graduate.socialwork@mcgill.ca

Website: mcgill.ca/socialwork

3.12.25.2 About Social Work

The School of Social Work offers dynamic M.S.W., M.Sc.A., and Ph.D. programs, designed to explore cutting-edge knowledge on social work theory, practice, policy, and research. We have an exciting and growing faculty with a variety of research and practice expertise in the fields of:

- child welfare;
- health, mental health, and disability;
- poverty;
- aging;
- First Peoples;
- marginalized groups (e.g., immigrants and refugees, war-affected populations, gay, lesbian, bisexual, and transgender people);
- loss and bereavement;
- domestic violence; and
- international social work.

Our approaches to practice and research cover all levels of intervention from individuals, families, groups, and communities. Located within the School of Social Work are specialized centres devoted to research and training in the areas of domestic violence; children and families; and international human rights. Graduate students also have access to workstations equipped with computers, and many professional development workshops and seminars. Several research assistantships and teaching assistantships are available each year.

The McGill School of Social Work is a member of the International Association of Schools of Social Work (*IASSW*), the Canadian Association for Social Work Education (*l'Association Canadienne pour la formation en travail social; CASWE-ACFTS*), and the *Regroupement des unités de formation universitaire en travail social du Québec* (RUFUTS).

The School of Social Work is a professional school with the primary objective of preparing students for careers and for leadership in the fields of social work and social welfare.

Qualifying Year Entry into the M.S.W. Program

The Qualifying Year is currently closed for admissions

Applicants demonstrating academic excellence and a minimum of one year of social-work-related experience (voluntary and/or professional) are considered for admission to the one-year, full-time (only) Qualifying year of study in preparation for entry to the M.S.W. (Non-Thesis) program. The objective of this preparatory year is to provide students with an essential foundation in social work knowledge before they embark on graduate-level studies in social work.

M.S.W. Program

The overarching objective of the master's program is the provision of advanced professional training by means of integrated learning experiences. Specifically, the educational goals are to:

1. develop a deepened and advanced competence in practice and research;
2. embrace a capacity for critical understanding of social theories, social problems, and emergent issues; and
3. understand population groups in need, institutional structures, and policy initiatives and processes.

There are three types of M.S.W. degrees: M.S.W. (Thesis), M.S.W. (Non-Thesis), and M.S.W. with B.C.L./J.D. The M.S.W. (Thesis) and (Non-Thesis) programs carry a weight of 45 credits, and, tak

1. prepare graduates for careers in university teaching and research, policy development, implementation and evaluation, practice and program evaluation, and leadership and management of human services;
2. offer students the opportunity to acquire research methodology skills and to apply these to a range of areas relevant to social work; and
3. stimulate original research on important social problems and issues.

section 3.12.25.6: Master of Science, Applied (M.Sc.A.) Couple and Family Therapy (Non-Thesis) (60 credits)

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, Educational Psychology, Sociology, Nursing, or other related disciplines. Applicants who have successfully completed a bachelor's or master's degree in a related human science, social science, or helping profession, with a minimum overall CGPA of 3.0 out of 4.0, are eligible to apply.

section 3.12.25.7: Master of Social Work (M.S.W.) Social Work (Thesis) (45 credits)

The M.S.W. Thesis program is designed for students who have a keen interest in developing an advanced intellectual understanding and a specialized set of research skills in one of three areas: Individuals and Families; Groups, Communities and Networks; or Social Policy and Systemic Responses. Program requirements consist of a thesis and six courses (two of which are required), taken over an extended period of three to four terms of full-time study. Prospective students will hold a B.S.W. degree with a minimum of one year of prior social work related experience (voluntary and/or professional).

Subsequent career paths are varied and lead to exciting opportunities in health, social services, and community organizing, where social workers undertake clinical, leadership, or policy roles.

section 3.12.25.8: Master of Social Work (M.S.W.) Social Work (Thesis): Gender and Women's Studies (45 credits)

Please click the above link for further information on this program.

section 3.12.25.10: Master of Social Work (M.S.W.) Social Work (Non-Thesis): Gender and Women's Studies (45 credits)

Please click the above link for further information on this program.

section 3.12.25.11: Master of Social Work (M.S.W.) Social Work (Non-Thesis): International Partner Program (45 credits)

This program is offered intermittently, based on funding, to a specific cohort of students by invitation only.

section 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)

The School of Social WM.S.W

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 uniEac

- Curriculum Vitae (using form provided)
 - Prerequisite Form (using form provided)
 - Statement of Interest for Social Work
 - Three references (two academic and one professional)
- M.S.W. (Thesis), M.S.W. (Non-Thesis), and M.S.W. with B.C.L. and J.D. applicants (see mcgill.ca/socialwork/prospective/msw for forms and guidelines):
 - Curriculum Vitae (using form provided)
 - Prerequisite F

M.Sc.A.				
	Application Opening Dates		Application Deadlines	

Summer Term:	N/A	N/A	N/A	N/A
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The Ph.D. deadlines below apply to all application documents, including university transcripts and references.

Ph.D.				
	Application Opening Dates		Application Deadlines	

	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Dec. 1	Dec. 1	Dec. 1
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Required Courses (57 credits)

CAFT 600	(3)	Couple and Family Therapy Pre-Practicum
CAFT 601	(3)	Diversity and Couple and Family Therapy
CAFT 602	(3)	Advanced Assessment in Couple and Family Therapy
CAFT 603	(3)	Research Methods for Couple and Family Therapists
CAFT 604	(3)	Contemporary Issues in Couple and Family Therapy
CAFT 605	(3)	Advanced Family Treatment Across the Lifespan
CAFT 606	(3)	Internship 1 in Couple and Family Therapy
CAFT 607	(3)	Legal, Ethical and Professional Issues in C & FT
CAFT 608	(3)	Human Development Across Lifespan: Couple & Family Therapy
CAFT 609	(3)	Advanced Couple Therapy
CAFT 610	(3)	Biological Foundations of Behaviour for C&FTs
CAFT 611	(6)	Internship 2 in Couple and Family Therapy
CAFT 612	(6)	Internship 3 in Couple and Family Therapy
SWRK 610	(3)	Family Treatment
SWRK 622	(3)	Understanding and Assessing Families
SWRK 623	(3)	Couple Therapy
SWRK 630	(3)	Adult Mental Health

Complementary Courses (3 credits)

from the following:

CAFT 613	(3)	Couple and Family Therapy Internal Practicum
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)

Revision, June 2022. Start of revision.

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)

12 credits of SWRK courses at the 500 or 600 level; up to 6 credits in total may be taken outside the School of Social Work.

Revision, June 2022. End of revision.

3.12.25.8 Master of Social Work (M.S.W.) Social Work (Thesis): Gender and Women's Studies (45 credits)

The School of Social Work's M.S.W. Thesis – Gender and Women's Studies option is designed for students who have strong research interests and are particularly attracted to feminist theories and research methodologies. This program supports the development of advanced intellectual understanding and specialized research skills centered on gender, sexuality, feminism, and women in relation to "Children and Families," "Social Care and Health Studies," and "Community and International Development."

The thesis must be related to Gender and Women's Studies. The M.S.W. Thesis program includes graduate-level coursework and a research thesis. Students work closely with a Faculty supervisor. There is no field placement in the M.S.W. Thesis – Gender and Women's Studies program.

Thesis Courses (27 credits)

SWRK 698	(12)	Thesis Research 1
SWRK 699	(15)	Thesis Research 2

Required Courses (9 credits)

Revision, June 2022. Start of revision.

SWRK 605	(3)	Anti-Racist Social Work Practice
SWRK 653	(3)	Research Methods 1
WMST 601	(3)	Feminist Theories and Methods

Revision, June 2022. End of revision.

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
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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.

3.12.25.9 Master of Social Work (M.S.W.) Social Work (Non-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 that 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 de6 credr

SWRK 690 (9) Independent Study Project

Required Courses (18 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

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

OR

3 credits in another department approved as a complementary course to the Option in Gender and Women's Studies by an MSW adviser in the School of Social Work.

AND

12 credits of 500- or 600-level courses selected from the School of Social Work.

Master of Social Work (M.S.W)

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
		Judicial Institutions and Ci

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
	(3)	Public International Law

Students must take 29 other electi

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 CEGEPs. The Department has a stellar record of research publications and a lively graduate program, and we benefit from many new faculty appointments allowing us to be at the forefront of current issues. A large number of M.A. programs are offered, as well as a few at the Ph.D. level (see below). The Department has full access to the resources of StatsCan, with additional training for students.

We have particular strength in the following fields:

- comparative political sociology and development
- diversity and inequalities
- population and health

Availability of Funding

The Department offers a limited number of teaching assistantships. A full teaching assistantship consists of a maximum of 180 hours of work per term. Appointments for a full teaching assistantship span 15 weeks and involve an average of 12 hours per week.

M.A. Program Options

Note: The M.A. program in Sociology and related options is primarily organized around the non-thesis degree. The department only accepts students into the M.A. thesis option under exceptional circumstances.

section 3.12.26.8: Master of Arts (M.A.) Medical Sociology (Thesis) (45 credits)

The Department contributes to knowledge at the forefront of current issues—in particular, those dealing with health systems and with policies concerning HIV/AIDS. This program is a cooperative effort of the Department of Sociology and the Department of Social Studies of Medicine. Many students who have chosen this option have gone on to do further research, and others to personnel work in the health services. Researching and writing a thesis takes considerable time, and this program typically takes two years to complete.

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 will take an interdisciplinary seminar and a variety of graduate-level courses on international development issues. The M.A. thesis must be on a topic relating to development studies, approved by the Development Studies Option Coordinating Committee.

section 3.12.26.7: Master of Arts (M.A.) Sociology (Thesis): Gender and Women’s Studies (45 credits)

This interdisciplinary program is for students who meet the requirements in Sociology and who wish to earn 6 credits of approved coursework focusing on gender and women’s studies, and in issues in feminist research and methods. The student’s thesis must be on a topic centrally relating to issues of gender and/or women’s studies. Researching and writing a thesis takes considerable time, and this program typically takes two years to complete.

section 3.12.26.12: Master of Arts (M.A.) Medical Sociology (Non-Thesis) (45 credits)

The Department contributes to knowledge at the forefront of current issues—in particular, those dealing with health systems and with policies concerning HIV/AIDS. This program is a cooperative effort of the Department of Sociology and the Department of Social Studies of Medicine. Many students who

section 3.12.26.12: Master of Arts (M.A.) Medical Sociology (Non-Thesis) (45 credits)

have chosen this option have gone on to do further research and others to personnel work in the health services. The program is designed to be completed within 12 months.

section 3.12.26.9: Master of Arts (M.A.) Sociology (Non-Thesis) (45 credits)

This program is both for students who wish to continue from an undergraduate de

3.12.26.3 Sociology Admission Requirements and Application Procedures

3.12.26.3.1 Admission Requirements

Applicants must have a bachelor's degree with a standing equivalent to a cumulative grade point average (CGPA) of 3.3 or better out of a possible 4.0. The degree may be either in Sociology or in another relevant social science. In the latter case, applicants may be required to take some additional sociology courses to fill gaps in their background.

The strength of an applicant's academic record is of primary importance in consideration of an applicant's dossier. For a detailed description of courses open to graduates and undergraduates, and for preparation required of McGill University honours students, candidates should consult the [Arts Undergraduate](#) section.

All applicants are asked to submit a writing sample. Applicants who have not received a degree from a Canadian university must submit with their applications the results of the Verbal, Analytical, and Quantitative aptitude tests of the Graduate Record Examination (GRE). Arrangements to take the GRE should be made directly with the Educational Testing Service by visiting their website at www.ets.org/gre.

Certain students must submit documented proof of competency in oral and written English. The minimum acceptable score for the [TOEFL](#) exam is 86 overall on the Internet-based test (iBT; no less than 20 in each of the four component scores). For more information on whether the TOEFL is required please visit mcgill.ca/gradapplicants/international/proficiency.

Candidates must have sufficient preparation in the social sciences to justify consideration for eventual admission to the master's graduate program. Candidates must achieve a final grade of at least a B in these courses and an average in all courses of at least B+; in general, they must, in the opinion of the Department, have achieved sufficient preparation in the subject matter of sociology before they will be allowed to proceed with graduate work. All candidates are expected to have taken courses in statistics, research methods, and sociological theory at the undergraduate level.

Prospective students are encouraged to contact faculty members that they may wish to work with to ascertain that they will be available and not on leave during the time at which they wish to study. If need be, they may feel free to contact the Graduate Program Director to guide them.

The program of study is designed to give students an advanced understanding of a major field in sociology, of current methods of sociological research, and of some principal theoretic issues in the discipline. Three terms of residence study is the minimum requirement for a master's degree. For the doctoral program, sections in

3.12.26.4 Sociology Faculty

Chair

Shelley Clark

Undergraduate Program Director

Aniruddha (Bobby) Das

Graduate Program Director

Eran Shor

Professors

Shelley Clark; Matthew Lange; Amélie Quesnel-Vallée; Eran Shor; Michael Smith; Axel van den Berg; Morton Weinfeld.

Associate Professors

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)

This program is given jointly by the Sociology Department and the Department of Social Studies of Medicine.

Thesis Courses (27 credits)

SOCI 690	(3)	M.A. Thesis 1
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SOCI 691	(6)	M.A. Thesis 2
SOCI 693	(3)	M.A. Thesis 4
SOCI 695	(15)	M.A. Thesis 6

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 these courses or take them during the first year of the program. Students granted an exemption from any one or more of these courses by the Graduate Studies Committee must substitute another substantive seminar in its place.

Complementary Courses (6 credits)

3 credits, ONE of the following courses:

SOCI 515	(3)	Medicine and Society
SOCI 538	(3)	Selected Topics in Sociology of Biomedical Knowledge

3 credits (at the 500, 600, or 700 level) in History of Medicine.

3.12.26.9 Master of Arts (M.A.) Sociology (Non-Thesis) (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 (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)

9 credits (at the 500, 600 or 700 level)

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
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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
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SOCI 697	(3)	Research Paper 2
SOCI 699	(12)	Research Paper 1 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 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.

Complementar

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. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor.

The thesis should be completed within five years after the initial residency period of two to three years.

Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at www.mcgill.ca/sociology/faculty and at <http://www.mcgill.ca/gps/thesis>.

Complementary Courses

(18-30 credits)

12 credits from substantive courses at the 500 level or higher offered by the Department subject to the approval of the Graduate Committee.

SOCI 501	(3)	Capitalism, Socialism, and Democracy
SOCI 502	(3)	Sociology of Fertility
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
		Comparativ

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (6 credits)

A minimum of three years of study is required.

Ph.D. candidates must take a comprehensive examination in two subfields within sociology by August of their Ph.D. 3 year. These fields will be chosen from the Department's areas of specialization.

Ph.D. candidates are required to submit a thesis on an approved topic. The topic must be approved by a dissertation proposal committee convened by the student's dissertation supervisor. The thesis should be completed within five years after the initial residency period of two to three years. Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at: <http://www.mcgill.ca/sociology/faculty> and at <http://www.mcgill.ca/gps/thesis>.

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
WMST 601	(3)	Feminist Theories and Methods
WMST 602	(3)	Feminist Research Symposium

Research proposal is subject to Department approval and to approval by the participating faculty members in the Gender and Women's Studies program.

Complementary Courses (12-24 credits)

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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AND

3 credits from the following:

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

OR

Quantitative Stream

6 credits from the following:

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

If an exemption is obtained for one or both of the qualitative or quantitative stream courses above, another one must then be substituted in its place.

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 years after the initial residency period of two to three years.

Further details on the requirements and regulations for the thesis and the fields in which the Department is prepared to direct research may be obtained from the Sociology website at www.mcgill.ca/sociology/faculty and at <http://www.mcgill.ca/gps/thesis>.

Complementary Courses

(12-24 credits)

6 credits from substantive courses at the 500 level or higher subject to the approval of the Graduate Committee.

3 credits must be taken within the Department from the list below:

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 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
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 525	(3)	Health Care Systems in Comparative Perspective

4 Faculty of Dental Medicine and Oral Health Sciences

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, Graduate and Postdoctoral Studies

4.2 Graduate and Postdoctoral Studies

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.

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

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 important information redpTj1 0 0 1 formation re

- 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 Research Associates, and Postdoctoral Research Associates.
- iii. Postdocs must conduct research under the supervision of a McGill professor (including Adjunct Professors) in which training is being provided and with minimal supervisory responsibilities and act as a mentor for career students. Postdocs are expected to engage primarily in research, teaching or other responsibilities.

2. Registration

- i. Postdocs must register with the University through Enrolment Services. Registration will be limited to postdocs who fulfil the definition above, and who meet the requirements stipulated on the [Graduate and Postdoctoral Studies website](#).
- ii. Upon registration, postdocs must obtain a University identity card issued by Enrolment Services.
- iii. Leaves of absence must be approved by the Graduate and Postdoctoral Studies Policies for Vacation, Parental/Familial, and Health. See [section 2.8.3: Vacation Policy for Graduate and Postdoctoral Studies](#) and [University Regulations & Resources > Graduate > Recruitment & Admissions > Categories of Students > section 1.2.8: Leave of Absence](#).

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 Research Associates](#).

- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities;
- to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.

v. Some examples of 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;
- 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

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

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

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

4.11 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

4.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

4.12.1 Faculty of Dental Medicine and Oral Health Sciences

4.12.1.1 Location

Faculty of Dental Medicine and Oral Health Sciences
2001 McGill College Avenue, Suite 500
Montreal QC H3A 1G1
Telephone: 514-398-7203
Fax: 514-398-8900
Website: mcgill.ca/dentistry

4.12.1.2 About Faculty of Dental Medicine and Oral Health Sciences

section 4.12.1.6: Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)

The Non-Thesis M.Sc. program offers students the possibility to supplement their existing education by exploring a variety of research topics. The Non-Thesis program focuses on research and/or clinical expertise to improve populational health, including diagnosis, prevention, monitoring and control. The program includes a practicum in an organization or a clinic implicated in providing public health services. All non-thesis students are encouraged to seek volunteer and summer research opportunities with researchers in the Faculty to further their research experience.

This program offers students a great opportunity to clarify their interests, connect with faculty members, and engage with their cutting-edge research programs to seek additional career and training options (such as entering a Ph.D. program). This non-thesis option is not a residency program and does not provide clinical qualifications.

section 4.12.1.5: Master of Science (M.Sc.) Dental Sciences (Thesis) (45 credits)

The goal of this program is to train students in research in the dental sciences, which comprise a number of disciplines relating to the functioning of the oro-facial complex. For the Thesis Master's in Dental Sciences, we aim to train students to:

1. perform a literature review;
2. identify important issues in a specific field and understand the scientific approach to research questions;
3. carry out a scientific study and appropriately manage its data;
4. appreciate the ethics involved in animal and/or human research; and
5. express themselves clearly when speaking and writing about science.

section 4.12.1.7: Doctor of Philosophy (Ph.D.) Oral Health Sciences

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

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

Students who have completed a D.M.D./D.D.S. or a B.Sc. in one of the Health Science disciplines listed on our [website](#) with a CGPA of 3.2 on a 4.0 scale are eligible to apply for admission to a graduate program in the Faculty of Dental Medicine and Oral Health Sciences leading to the [M.Sc. degree in Dental Sciences](#). Applicants with a CGPA of lower than 3.2 may still be considered for admission if their application is accompanied by a justification for the lower CGPA. [TOEFL](#) (or [IELTS](#)) test results are required for applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian institution (anglophone or francophone) or from a recognized foreign institution where English is the language of instruction.

The number of candidates accepted each year will depend on the elective courses and research facilities available that are applicable to the candidate's area of expertise.

4.12.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

4.12.1.3.3 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 Faculty of Dental Medicine and Oral Health Sciences and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

M.Sc. in Dental Sciences (Thesis)

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Mar. 1	Mar. 1	Mar. 1
Winter Term:	Feb. 15	Jul. 15	Jul. 15	Jul. 15
Summer Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15

M.Sc. in Dental Sciences (Non-Thesis)

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Mar. 1	Mar. 1	Mar. 1
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Ph.D. in Oral Health Sciences

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Mar. 1	Mar. 1	Mar. 1

Ph.D. in Oral Health Sciences

	Application Opening Dates		Application Deadlines	
Winter Term:	Feb. 15	Jul. 15	Jul. 15	Jul. 15
Summer Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15

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

4.12.1.4 Dental Medicine and Oral Health Sciences Faculty**Dean, Faculty of Dental Medicine and Oral Health Sciences**

E. Emami

Associate Dean, Undergraduate Dental Education

S. Abi-Nader

Assistant Dean, Undergraduate Dental Education

P. Chauvin

Undergraduate Clinic Director

N. Morin

Associate Dean, Research and Graduate Dental Education

S. Komarova

Assistant Dean, Research and Graduate Dental Education

B. Nicolau

Graduate Program Director

S. Tran

Associate Dean, Postgraduate Dental Education

N. Makhoul

Emeritus Professors

K.C. Bentley; F. Cervero; M. Gornitsky; C. Smith.

Professors

P.J. Allison; J.E. Barralet; L. Diatchenko; J.S. Feine; S. Komarova; M.D. McKee; D. Reinhardt; M. Tabrizian; S. Tran; Bettina Willie.

Associate Professors

S. Abi-Nader; C. Bedos; V. Benhamou Cohen; P.J. Chauvin; A. Chehade; I.M. Fried; G.J. Harasymowycz; R. Hovey; A. Ianella; M.T. Kaartinen; M.E. Macdonald; N. Makhoul; S.I. Miller; F.I. Muroff; M. Mursheed; J.M. Myers; B. Nicolau; J.R. Pompura; E. Raviv; M. Schwartz; R.F.de Souza; A.M. Velly; M. Wiseman; J. Zhang.

Assistant Professors

S. Arekunnath Madathil, C. Beraldo Meloto, G. Chiasson, R. Clark, J. Cohen-Levy, D. Dagdeviren, Z. Der Khatchdourian, R.B.J. Dorion, J.G. Drummond, A. Dudkiewicz, M. El Hakim, B. Ferraz Dos Santos, J.R. Fong Chong, D. Iera, B. Kano, E.R. Karanofsky, A. Khoutorsky, G.M. Konanec, Y. Kwong Li, A.E. Lisbona, A. Marleau, M.O. Martel, R. Miller, N.M. Morin, F.A. Power, R. Raviv, B. Saleh, F. Samim, M.F. Seng, N. Makansi, M. Shildkraut, M.D. Shizgal, H. Sirhan, M.A. Stein, P.K. Talle, E. Vachon-Presseau, M.A. Wiseman, E. Zimmerman.

Faculty Lecturers

M. Abadi, E.M. Abbey, J. Abikhzer, H. Abo Sharkh, F.E. Albert, J. Albilila, E. Alvaro, V. Amassian, S. Asif, M. Bakdach, D. Baker, M.J. Barmash, J.-P. Bedirian, J. Benjamin, A. Berardelli, T. Bergman, G.C. Bonin, M.-E. Boucher, Y. Bouhout, Y. Boulos, E. Briones, J.-F. Brochu, M.P. Canales, P. Canonne, J. Carpendale, G.C. Cernica, N. Chahine, C. Chahine, K. Chalaby, V. Chamlian, E. Chan, M.-C. Chouinard, M. Cielecki, S. Ciobanu, A. cristinziano, N. Criton-Muller, C.A. Czerednikow, M.J. D'Souza, B. Dabbagh, J.C. Desjardins, A. Diamandis, L.P. Dilullo, P. Drakoulakou, M.G. DuVal, G.H. El-Onsi,

Faculty Lecturers

F. Elbaz, N. Elhadad, J.C. Erdan, S. Eskenazi, E.C. Espiritu, J.E. Ethier, R. Fagen, A.F. Farina, J.T. Flanagan, S.M. Fletcher, J. Forsprecher, L. Franco, M. Freijé, C.A. Fung, H. Gaied, H. Ghaderi-Moghadam, S.G. Greenwald, J.S. Grewal, R. Ha, L. Haikal, T. Hamalian, P. Harrosch, M. Helmy, I.D. Hoffman, N. Hojjati, G.J. Hwang, C. Iafrancesco, L.A. Iannella, D. Kaloyannis, A. Karamitsos, R.J. Karanofsky, N. Karra, I. Katz, D.A. Kennedy, M.B. Kerner, S. Kholmogorova, L. Kichian, T. Konanec, C. Koran, S. Krychman, R.M. Lafleur, M.S. Lafontaine, C. Landry, J. Lee, G. Lemieux, A. Levine, O. Levy, H.S. Libenson, P. Lieberman, P. Limniatis, T.C. Luu, S.L. Malkinson, O.M. Maria, O. Mark, E. Marko, M. Masri, B. Mayantz, G. Melki, M. Melki, M. Menassa, S. Ment, M. Michelakis, J. Millette, M. Miller, P. Moraga, E. Mota, B. Mui, M. Naman, R. Nasser, P. Nguyen, T.B.M. Nguyen, J. Nudo, N. Ouatic, S. Papageorgakopoulos, M. P

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 with the approval of the supervisor or the research director and GPS.

4.12.1.6 Master of Science (M.Sc.) Dental Sciences (Non-Thesis) (45 credits)

The M.Sc. in Dental Sciences; Non-Thesis program focuses on research and/or clinical expertise to improve populational health, including diagnosis, prevention, monitoring and control. The program includes a practicum in an organization or a clinic implicated in providing public health services.

Required Courses (24 credits)

DENT 505	(3)	Epidemiology and Data Analysis in Primary Care 1
DENT 625	(3)	Applied Qualitative Health Research
DENT 663	(1)	Principles of Health Research
DENT 668	(3)	Practicum Readings in Dentistry and Health Research
DENT 670	(6)	Dentistry Community Health Practicum
DENT 671D1	(1)	Advanced Research Seminar
DENT 671D2	(1)	Advanced Research Seminar
DENT 685	(3)	Theory of Dental Public Health
DENT 690	(3)	Literature Reviews

Complementary Courses (21 credits)

21 credits from the following:

ANAT 690D1	(3)	Cell and Developmental Biology
ANAT 690D2	(3)	Cell and Developmental Biology
BMDE 505	(3)	Cell and Tissue Engineering
DENT 504	(3)	Biomaterials and Bioperformance
DENT 509	(3)	Epidemiology and Data Analysis in Primary Care 2
DENT 625	(3)	Applied Qualitative Health 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 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 686	(2)	Illness Experience and Social Determinants of Health
EDEM 692	(3)	Qualitative Research Methods
EPIB 635	(3)	Clinical Trials
EPIB 641	(1)	Substantive Epidemiology 1
EPIB 669	(2)	Special Topics 2
EPIB 671	(3)	Cancer Epidemiology and Prevention

EPIB 677	(3)	Special Topics 8
EPIB 679	(3)	Special Topics 10
EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research
PHGY 518	(3)	Artificial Cells
PHGY 550	(3)	Molecular Physiology of Bone

Other complementary 500- or 600-level courses at the University may be taken with the approval of the director of the program and GPS.

4.12.1.7 Doctor of Philosophy (Ph.D.) Oral Health Sciences

The Ph.D. in Oral Health Sciences provides training for health science researchers in advanced research in oral health problems. It will build upon an approach to scholarly knowledge that embraces discipline specific training in tandem with an understanding on one'

5 Faculty of Education

5.1 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 dev

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.

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
- Course

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 Fello

- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities;
- to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.

v. Some examples of 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;
- 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

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession)

- [section 5.12.1.2: Graduate Degrees in Counselling Psychology](#)
- [section 5.12.1.2: Graduate Degrees in School/Applied Psychology](#)
- [section 5.12.1.2: Graduate Degrees in Educational Psychology](#)

Master of Arts (M.A.) Degrees

Students can obtain an M.A. degree in:

- 1.** Counselling Psychology (Non-Thesis) with major concentrations in:
 - Professional/Internship (coursework and internship based)
 - Project (coursework and research based)
- 2.** School/Applied Child Psychology (Non-Thesis) Project
- 3.** Educational Psychology with concentrations in:
 - Health Professions Education
 - Human Development
 - Learning Sciences

Master of Education (M.Ed.) Degrees

Students can obtain an M.Ed. degree in Educational Psychology

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). 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: ordre@orientation.qc.ca

CPA

141 Laurier Avenue West, Suite 702
Ottawa ON K1P 5J3, Canada
Telephone: 613-237-2144; 1-888-472-0657
Email: cpa@cpa.ca

OPQ

1100 Beaumont, Suite 510
Mount-Royal QC H3P 3H5, Canada
Telephone: 514-738-1881; 1-800-363-2644
Email: info@ordrepsy.qc.ca

Research

Research is an integral part of the Department of Educational and Counselling Psychology. For a comprehensive list of research groups consult our [website](#).

Graduate Degrees in Counselling Psychology

section 5.12.1.5: Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Professional/Internship (60 credits)

The aim of this program is to produce graduates who:

1. are trained in the major applied areas of counselling;
2. will be qualified to work in a variety of settings where educational, vocational, personal, and developmental counselling is offered; and
3. have had an extensive supervised internship in either a clinical or educational setting.

To do so, the training program emphasises:

- Career and vocational theory and development,
- Individual and group counselling skills, the integration of multicultural, gender, and other diversity theories into practice, and
- Diagnosis and assessment procedures.

Students will take a combination of theoretical and practical courses throughout the completion of their degree. Most coursework is taken during their first year (including the Summer term) while also completing a practicum in the Department's Psychoeducational and Counselling Clinic. In their second year, students are on-site at internship placements for three full days per week while attending classes on their remaining two days.

Accredited upon graduation by the *Ordre des conseillers et conseillères d'orientation du Québec* (OCCOQ), this program prepares students to work in the field as Counsellors in settings such as CLSCs, schools, community, rehabilitation, and vocational guidance centres, governmental, non-governmental, or private settings. All students must also attend weekly case conferences.

For further information, consult the [website](#).

section 5.12.1.6: Master of Arts (M.A.) Counselling Psychology (Non-Thesis): Project (60 credits)

This program is designed to produce graduates with introductory academic preparation for research or clinical careers in counselling psychology. Training is provided in the research domain through coursework in data analysis and a research project. Clinical preparation is initiated in the program through coursework in ethics, intervention, assessment, psychological testing, and multicultural issues and through a practicum. Most coursework is taken during the student's first year of studies while beginning work on their research projects. In their second year, students gain practical experience via a practicum in the Department's Psychoeducational and Counselling Clinic while also completing the majority of their work on the research project. The degree alone **does not** fulfill 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 tak

section 5.12.1.7: Doctor of Philosophy (Ph.D.) Counselling Psychology

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

Master of Arts (M.A.) Educational Psychology (Thesis) (48 credits)

See [section 5.12.1.17: Master of Arts \(M.A.\) Educational Psychology \(Thesis\): Human Development \(45 credits\)](#).

- 3. The Learning Sciences concentration** (mcgill.ca/edu-ecp/programs/learningsci) The M.A. in Educational Psychology; Learning Sciences focuses on educational research and its application to practice. Exploration and application of contemporary psychological and educational theories and empirical studies in (a) cognition, learning, and instruction; (b) self-regulation, motivation, and emotion; (c) technology-rich learning environments; and (d) social, cultural, and historical foundations of learning. Training in research design and data analytic techniques through coursework and thesis supervision.

See [section 5.12.1.18: Master of Arts \(M.A.\) Educational Psychology \(Thesis\): Learning Sciences \(45 credits\)](#).

Doctor of Philosophy (Ph.D.); Educational Psychology

The Ph.D. in Educational Psychology emphasizes the development of research skills and supports both basic and applied research pertaining to all domains of educational psychology. It aims to develop graduates who can demonstrate:

1. broad scholarship in planning and implementing basic and applied research on problems of cognition, teaching, learning, and human development;
2. mastery of current theoretical issues in educational psychology and their historical development; and
3. a detailed knowledge of their selected concentration.

The program offers **two concentrations**:

- 1. Human Development concentration:** (mcgill.ca/edu-ecp/programs/humandev) The Human Development concentration focuses on core areas of human development such as cognitive, language, social, personality, and gender development among children and adolescents with diverse trajectories and from various family, educational and community contexts. The program is unique in examining developmental trajectories from a variety of interdisciplinary perspectives. Dissertations should focus on an issue in the field of human development related to educational psychology.

See [section 5.12.1.19: Doctor of Philosophy \(Ph.D.\) Educational Psychology: Human Development](#).

- 2. Learning Sciences concentration:** (mcgill.ca/edu-ecp/programs/learningsci) The Ph.D. in Educational Psychology; Learning Sciences focuses on theory and research on understanding and improving learning and teaching in formal and informal educational settings including K-12 and post-secondary institutions, the workplace, professional practice, and virtual learning communities. Practical training in research design, advanced data analytic techniques, and professional development through coursework and dissertation supervision.

See [section 5.12.1.20: Doctor of Philosophy \(Ph.D.\) Educational Psychology: Learning Sciences](#).

5.12.1.3 Educational and Counselling Psychology Admission Requirements and Application Procedures

Please refer to the [department website](#) for admission requirements and application procedures for the following programs:

- [M.A. in Counselling Psychology \(Non-Thesis\)](#)
- [Ph.D. in Counselling Psychology](#)
- [M.A. in School/Applied Child Psychology \(Non-Thesis\)](#)
- [Ph.D. in School/Applied Child Psychology](#)
- [Post-Ph.D. Graduate Diploma in School/Applied Child Psychology](#)
- [M.Ed. in Educational Psychology](#)
- [M.A. in Educational Psychology, Human Development](#)
- [M.A. in Educational Psychology, Learning Sciences](#)
- [M.A. in Educational Psychology, Health Professions Education](#)
- [Ph.D. in Educational Psychology, Human Development](#)
- [Ph.D. in Educational Psychology, Learning Sciences](#)

English Language Proficiency

For graduate applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized Canadian or American (English or French) institution or from a recognized foreign institution where English is the language of instruction, documented proof of English proficiency is required prior to admission. For a list of acceptable test scores and minimum requirements, visit mcgill.ca/gradapplicants/international/proficiency

5.12.1.3.1 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Educational & Counselling Psychology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the [app133p Tw-0.073 Tce Tw-0.073 icumenonal & Cych/F1 8.1](#); p

Counselling Psychology, Educational Psychology and School/Applied Child Psychology programs (MA, MEd or PhD)

**Application Opening
Dates**

Application Deadlines

**Canadian citizens/Perm. residents of
Canada (incl. Special, Visiting &
Exchange)**

**Current McGill Students (any
citizenship)**

2. Learning Sciences

Information on application procedures, deadlines, and

Development concentration can be found on the

Information on application procedures, deadlines, and

Sciences concentration can be found on the

5.12.1.4 Educational and Counseling

Chair

Victoria Talwar

Program Directors

Armando Bertone – *School Psychology*

Michael Hoover – *Learning Sciences*

Ada Sinacore – *Counseling Psychology*

Gigi Luk – *Human Development*

Emeritus Professors

Mark W. Aulls; *Psychology*

Alenoush Saroyan; *Psychology*

Professors

Jacob A. ...

Associate Professors

Armando Bertone

Quinn ...

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
EDPC 684	(3)	Practicum in Psychological Testing: Cognitive Assessment
EDPC 685D1	(3)	Internship: Vocational and Rehabilitation Counselling
EDPC 685D2	(3)	Internship: Vocational and Rehabilitation Counselling

Required Courses (33 credits)

EDPC 606	(3)	Theories of Intervention 1
EDPC 607	(3)	Theories of Counselling 2
EDPC 608	(3)	Group Counselling: Theory
EDPC 609	(3)	Psychological Testing 1
EDPC 615	(3)	Assessment and Diagnosis 1
EDPC 618	(3)	Professional Ethics and the Law
EDPC 624	(3)	Group Counselling: Practice
EDPC 662	(3)	Career Psychology
EDPC 665D1	(3)	Practicum
EDPC 665D2	(3)	Practicum
EDPE 622	(3)	Multiculturalism and Gender

Elective Courses (3 credits)

The following courses may be offered periodically and taken to complete or exceed the academic requirements. Electives may also be chosen from other courses offered by the Department or other departments of the University. Choice of electi

Practicum in Psychological Testing: Personality

Required Courses (60 credits)

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.**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

Two days per week, one semester each; students select two of these three field experiences; placement in a school covering all grades may be applied to either EDPE 721 or EDPE 722:

EDPE 721	(6)	School Psychology: Elementary
EDPE 722	(6)	School Psychology: Secondary
EDPE 723	(6)	School Psychology: Community

Internship

One year full time or two years half-time

EDPE 725	(12)	Internship 1 - School Psychology
EDPE 726	(12)	Internship 2 - School Psychology

Students are not required to demonstrate knowledge of a second language within this program; however, any student wishing to be licensed as a professional psychologist in Quebec must have a working knowledge of French. Accreditation status may be confirmed by contacting the accrediting bodies.

Professional Accreditation

All elements of this Post-doctoral Graduate Diploma are selected from the professional components of the Ph.D. in School/Applied Child Psychology, which is accredited in the School Psychology category by the American Psychological Association (APA). Graduates of a respecialization program are normally accorded the same recognition as graduates of the accredited program.

The Ph.D. is approved by the Ordre des psychologues du Québec (OPQ), which has recommended the final stage of professional recognition to the Office des professions of the Government of Quebec. Once this accreditation is confirmed, however, graduates of the Post-doctoral Graduate Diploma will not be

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 555	(3)	Socio-Cultural Foundations of Learning Sciences
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
EDPI 527	(3)	Creativity and its Cultivation
EDPI 539	(3)	Field Work 1
EDPI 540	(3)	Field Work 2
EDPI 543	(3)	Family, School and Community
EDPI 645	(3)	Assessment For Effective Intervention
EDPI 654	(3)	Instruction/Curriculum Adaptation
EDPI 656D1	(3)	Community-Based Field Work
EDPI 656D2	(3)	Community-Based Field Work
EDPI 665	(3)	Teaching of Reading

EDPI 642	(3)	Inclusion: Past, Present and Future
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 (15 credits)

EDPC 501	(3)	Facilitating Relationships Group Processes and Diversity
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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

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 dev

EDPE 636	(3)	Motivation and Instruction
EDPE 640	(3)	Emerging Technologies for Educational Change
EDPE 670	(3)	Educational Assessment and Evaluation

Complementary Courses (21 credits)

21 credits from the following:

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
EDPE 664	(3)	Expertise, Reasoning and Problem Solving
EDPE 666	(3)	Foundations of Learning Science
EDPE 668	(3)	Advanced Seminar in Learning Sciences
EDPE 699D1	(6)	Special Activity

Required Courses (15 credits)

EDPE 605	(3)	Research Methods
EDPE 637	(3)	Issues in Health Professions Education
EDPE 676	(3)	Intermediate Statistics
EDPE 682	(3)	Univariate/Multivariate Analysis
EDPH 689	(3)	Teaching and Learning in Higher Education

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

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
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 analytic techniques through coursew

5.12.1.19 Doctor of Philosophy (Ph.D.) Educational Psychology: Human Development

The Ph.D. Educational Psychology: Human Development focuses on core areas of human development such as cognitive, language, social, personality, and gender dev.03 69ngersonality

Motiv

-  **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

section 5.12.2.12: Master of Arts (M.A.) Education and Society (Non-Thesis): Jewish Education (45 credits)

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.

section 5.12.2.13: Master of Arts (M.A.) Education and Society (Non-Thesis): Project Math & Science Education (45 credits)

This M.A. concentration emphasizes research in mathematics and science education, including a specific focus on teacher education in the area of math and science. Graduates will gain sufficient research experience to conduct empirical research in math and science education and sufficient teacher education experience to assume roles as teacher educators in university or other settings. The program includes targeted opportunities for candidates to develop skills, knowledge, and practices specific to teaching and learning mathematics and science, mathematics and science teacher preparation, and research in both of these areas.

Master of Arts in Educational Leadership

The M.A. in Educational Leadership consists of a thesis or non-thesis program. This program is designed to prepare leaders in the field of education, and in other centres of formal or informal learning, who are committed to personal and institutional improvement. The program fosters the ongoing development of reflective practitioners who have a sense of educational action, the capacity to anticipate needs, the ability to exercise professional judgment within the realities of policy frameworks, and the ability to both lead and support institutional and organizational change at all levels. A central theme of the program is the impact of policy on educational practice at local, national, and international levels.

Local and international students are practising and aspiring school principals and leaders from other organizations. Graduates fulfil Quebec Ministry requirements for school leadership and find positions as school leaders, as well as opportunities in other managerial settings.

section 5.12.2.14: Master of Arts (M.A.) Educational Leadership (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 5.12.2.15: Master of Arts (M.A.) Educational Leadership (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's studies, and issues in feminist research and methods. In the graduate option in Gender and Women's Studies, the M.A. thesis must be on a topic centrally relating to issues of gender and/or women's studies.

section 5.12.2.16: Master of Arts (M.A.) Educational Leadership (Non-Thesis): Course Work (45 credits)

The M.A. non-thesis option, consisting entirely of course work, is less research-oriented and suitable for practitioners interested in professional development with a theoretical orientation.

section 5.12.2.17: Master of Arts (M.A.) Educational Leadership (Non-Thesis): Project (45 credits)

The M.A. non-thesis option – Project consists of both course work and a project. It is less research-oriented than the thesis option and suitable for practitioners interested in professional development with a theoretical orientation.

section 5.12.2.18: Master of Arts (M.A.) Educational Leadership (Non-Thesis): Gender and Women's Studies (45 credits)

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit who wish to earn credits of approved course work focusing on gender and women's studies, and issues in feminist research and methods. In the graduate option in Gender and Women's Studies, the project must be on a topic centrally relating to issues of gender and/or women's studies.

Master of Arts in Second Language Education

The M.A. in Second Language Education consists of a thesis or non-thesis program. It provides an overview of the state of the art in second-language acquisition, assessment and evaluation, and research methods, including quantitative and qualitative approaches. The program covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/methods and program planning areas (for example, content-based second-language teaching or “immersion”), language testing, language policy and planning, and critical applied linguistics. Graduates may go on to doctoral work in applied linguistics. They may also seek employment at ministry, school board, or other sites of active research on second languages. Many graduates also continue active careers in school contexts as second-language teaching practitioners, program administrators, or evaluators.

From a range of pedagogical, linguistic, cognitive, political, and sociocultural perspectives, this program combines theoretical and applied studies of how second and foreign languages are learned and used.

section 5.12.2.19: Master of Arts (M.A.) Second Language Education (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 5.12.2.20: Master of Arts (M.A.) Second Language Education (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's studies, and issues in feminist research and methods. In the graduate option in Gender and Women's Studies, the M.A. thesis must be on a topic centrally relating to issues of gender and/or women's studies.

: GDEU-only (M.A.) Second Language Education (Non-Thesis) (45 credits)

The M.A. non-thesis option, consisting entirely of course work, is less research-oriented and suitable for practitioners interested in professional development with a theoretical orientation.

section 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.

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

section 5.12.2.29: Doctor of Philosophy (Ph.D.) Educational Studies

- a. the broad context of culture and society;
- b. the international, national, and local contexts of educational leadership and policy studies; and
- c. the more specific contexts of schools and other sites of teaching and learning.

Students begin with a set of common core courses and proceed to specialization through advanced course work and dissertation topics focused on areas of expertise that are supported by the research interests of current faculty members.

section 5.12.2.30: Doctor of Philosophy (Ph.D.) Educational Studies: Gender and Women's Studies

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

section 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, approved by the LAP (Language Acquisition Program) committee.

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 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.

section 5.12.2.37: Graduate Certificate (Gr. Cert.) Teaching English as a Second Language (15 credits)

This program is designed as professional development for in-service teachers and candidates with a background in education, language studies, linguistics, or a related field, or as preparation for application to our M.A. in Second Language Education. The five courses that comprise the certificate provide a solid background and offer in-depth study in the field of second-language education from a range of perspectives and with a focus on research and applications to teaching. Please note that this certificate does not lead to teacher certification. The Graduate Certificate in TESL is designed to be available to students worldwide. Courses are offered in a combination of online and face-to-face formats, and are sequenced in such a way that students can complete the certificate in one year. The maximum time for completion is three years. The first three courses are offered online, and can be undertaken wherever an internet connection is available. The final two courses are offered face-to-face in the Summer term either on-site at McGill or at off-site locations with collaborative partners, if enrolment numbers warrant it.

section 5.12.2.38: Certificat d'études supérieures (Cert.ed.sup.) pédagogie de l'immersion française (15 crs)

Le certificat d'études supérieures en pédagogie de l'immersion française vise à faire la formation des enseignants en immersion française tout en abordant les défis pédagogiques reliés à l'enseignement ciblé conjointement sur la langue et le contenu. Ce certificat est destiné à la formation aux enseignants des niveaux primaire et secondaire. À cette fin, il amène d'abord l'étudiant à comprendre les causes à la fois linguistiques et cognitives des difficultés qu'éprouvent les élèves en immersion. Il propose ensuite une variété de stratégies d'enseignement propices à répondre à ces difficultés et de situations d'apprentissage 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.

Graduate Certificates, M.A., and Ph.D. Programs

1. Applicants to the Certificate and M.A. programs must hold a bachelor's degree from a recognized university. A minimum standing equivalent to a CGPA of 3.0/4.0, or 3.2/4.0 for the last two full-time academic years, is required. A concentration of courses related to the area chosen for graduate work is usually required (see #5 below).

Applicants to the Ph.D. program must hold an M.A. in Education or a recognized equivalent degree from a recognized university. The applicant's record should indicate high academic standing (a minimum CGPA of 3.0/4.0) and evidence of research competence in the proposed area of doctoral research.

2. Applicants to the Certificate and M.A. programs must submit:
 - a current curriculum vitae;
 - a letter of intent specifying academic and professional experience and interests (specifically, research interests for the Thesis option or project interests for the Non-Thesis Project option).

Applicants to the Ph.D. in Educational Studies program must submit:

- a current curriculum vitae;
 - a letter of intent identifying the applicant's proposed research topic, potential supervisor, and expected professional direction. Please note that it is the Ph.D. applicant's responsibility to secure a supervisor as part of the admission process;
 - a four- to five-page summary of the proposed research topic identifying the applicant's main research questions, the research trends that have led to the questions, ways in which the research could be conducted, and relevant references.
3. Applicants must submit two letters of recommendation, at least one of which must be from a university-level instructor; the other may be from an administrator in an educationally relevant context.
 4. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must meet one of the following English proficiency criteria:
 - *IELTS* with a minimum overall band of 7.0 with a minimum writing score of 7.0; or
 - *TOEFL* iBT (Internet-based test) – minimum overall band of 92 with a minimum score of 22 each for the Writing and Speaking sections and a minimum of 20 each for the Reading and Listening sections.

For applicants to the **Master of Arts in Teaching and Learning (MATL) (Non-Thesis)**:

- *IELTS* with minimum overall band of 7.0 with a minimum of 7.0 each for the Writing, Speaking, Listening, and Reading sections; or
- *TOEFL* iBT (Internet-based test) – minimum overall band of 92 with a minimum score of 22 each for the Writing, Speaking, Listening, and Reading sections.

The Department reserves the right to evaluate the applicant's language proficiency before initial registration.

5. Further requirements applicable to specific options:

Graduate Certificates in Educational Leadership 1 and 2 – Normally, applicants are required to have at least two years of relevant educational experience (in leadership roles or related professional experience).

Graduate Certificate in Teaching English as a Second Language – Applicants are required to pass a written and oral English language proficiency test set by the Department.

Master of Arts in Second Language Education – Normally, applicants are required to have a minimum of 36 credits including a combination of relevant courses in education and language studies. Applicants are required to have at least two years of relevant professional experience in education.

Master of Arts in Educational Leadership – Normally, applicants are required to have at least two years of relevant leadership experience (teaching or related professional experience).

Master of Arts in Teaching and Learning (MATL) (Non-Thesis) – Please see the [Departmental website](#) for additional admission requirements. Applicants to the MATL TESL option are required to pass a written and oral English language proficiency test with a French component set by the Department. Applicants are required to have experience in educational settings (formal or informal).

Certificat d'études supérieures en pédagogie de l'imm 0 6n97française– Applicants are required to pass a written and oral French language proficiency test set by the Department.

5.12.2.3.2 Application Procedures

McGill's online application form for graduate program candidates is av

Graduate Certificate in Educational Leadership

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	March 1	March 1	March 1	
Winter Term:	Feb. 15	Sept. 10	Oct. 15	Oct. 15	
Summer Term:	N/A	N/A	N/A	N/A	

Certificat d'études supérieures en pédagogie de l'immersion française

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Feb. 1	June 15	June 15	
Winter Term:	Feb. 15	Sept. 10	Oct. 15	Oct. 15	
Summer Term:	N/A	N/A	N/A	N/A	

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, 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, chosen in consultation with the Thesis Supervisor or Graduate Program Director.

Elective Courses (9 credits)

9 credits at the 500- level or higher, chosen in consultation with the Thesis Supervisor or Graduate Program Director. Maximum 3 credits from outside the Department.

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)	Autobiographical Approaches in Education
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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
EDSL 630	(3)	Qualitative/Ethnographic Methods
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.

Master of Ar

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

Elective Courses (12 credits)

12 credits at the 500 level or higher. An elective course can be any course in DISE. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 6 credits outside DISE is permitted.

5.12.2.9 Master of Arts (M.A.) Education and Society (Non-Thesis): Course Work (45 credits)

The M.A. in Education and Society; Non-Thesis-Course Work program consists exclusively of course work. This option is less research-oriented than the thesis and non-thesis project options and is suitable for practitioners interested in professional development with a theoretical orientation.

Required Courses (9 credits)

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research
EDER 600	(3)	Globalization, Education and Change
EDER 609	(3)	Education and Philosophical Thought

Complementary Courses (21 credits)

21 credits from the following:

EDEC 602	(3)	Foundations in Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
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 644	(3)	Curriculum Development and Implementation
EDEM 655	(3)	Indigenous Research Methodologies
EDEM 660	(3)	Community Relations in Education
EDEM 676	(3)	Organizing Non-Formal Learning
EDEM 690	(3)	Research Methods: Theory and Practice
EDER 606	(3)	Philosophy of Moral Education
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

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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

15 credits at the 500 level or higher. An elective course can be any course in the Department. If the course is outside of the department, the student should consult with the Program Director or Coordinator prior to registering for the course. A maximum of 9 credits, at the 500 level or higher, may be taken outside of the Department.

5.12.2.11 Master of Arts (M.A.) Education and Society (Non-Thesis): Gender and Women's Studies (45 credits)

The M.A. non-thesis project option - Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in a participating unit and wish to earn 6 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The non-thesis project option consists mainly of coursework, and includes two 6 credit projects. This option is suitable for practitioners interested in professional development with a research and theoretical orientation.

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

3 credits chosen from the following, must be either:

Feminist Education

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

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

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)	Autobiographical Approaches in Education
EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

Elective Courses (6 credits)

6 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

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)	Autobiographical Approaches in Education
EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

3 credits selected from the following, must be either:

WMST 602	(3)	Feminist Research Symposium
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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).

Elective Course (3 credits)

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Director.

5.12.2.16 Master of Arts (M.A.) Educational Leadership (Non-Thesis): Course Work (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.

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 (27 credits)

18-21 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 690	(3)	Research Methods: Theory and Practice
EDEM 693	(3)	School Improvement Approaches
EDEM 695	(3)	Policy Studies in Education

6-9 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)	Autobiographical Approaches in Education
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
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 (9 credits)

9 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Coordinator or the Graduate Program Director.

5.12.2.17 Master of Arts (M.A.) Educational Leadership (Non-Thesis): Project (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 two 6-credit action-oriented projects focused on leadership.

Research Project (12 credits)

EDEM 625	(6)	Project 1
EDEM 627	(6)	Project 2

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
EDEM 690	(3)	Research Methods: Theory and Practice

Complementary Courses (15 credits)

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)	Autobiographical Approaches in Education
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

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

3 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)	Autobiographical Approaches in Education
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
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 636	(3)	Critical and Ethical Dimensions of Sexualities Education
EDER 639	(3)	Education and Development
EDER 643	(3)	Women, Education and Development
EDER 649	(3)	Education: Multicultural Societies

3 credits selected from the following, must be either:

EDER 536	(3)	Critical and Ethical Dimensions of Sexualities Education
EDER 643	(3)	Women, Education and Development
WMST 602	(3)	Feminist Research Symposium

or 3 credits, at the 500, 600, or 700 level, on gender/women's issues (may be in the Department or outside).

Elective Course (3 credits)

3 credits at the 500, 600, or 700 level chosen in consultation with the Graduate Program Coordinator or the Graduate Program Director.

5.12.2.19 Master of Arts (M.A.) Second Language Education (Thesis) (45 credits)

The M.A. in Second Language Education consists of a 45-credit thesis or non-thesis program. It provides an overview of the state of the art in second language acquisition, assessment and evaluation, and research methods, including quantitative and qualitative approaches. The program covers a wide range of current topics in applied linguistics and offers opportunities to specialize in educational sociolinguistics, curricular/methods and program planning areas (for example, content-based second language teaching or “immersion”), language testing, language policy and planning, and critical applied linguistics. Graduates may go on to doctoral work in applied linguistics. They may also seek employment at ministry, school board, or other sites of active research on second languages. Many graduates also continue active careers in school contexts as second language teaching practitioners, program administrators or evaluators.

Thesis Courses (24 credits)

EDSL 666	(6)	Thesis Research 1
EDSL 667	(6)	Thesis Research 2
EDSL 668	(6)	Thesis Research 3
EDSL 669	(6)	Thesis Research 4

Required Courses (12 credits)

EDEM 690	(3)	Research Methods: Theory and Practice
EDPE 575	(3)	Statistics for Practitioners
EDSL 623	(3)	Second Language Learning
EDSL 627	(3)	Instructed Second Language Acquisition Research

Complementary Courses (6 credits)

6 credits selected from the following courses:

EDEM 609	(3)	Critical Perspectives in Educational Theory and Research Special
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Required Courses (15 credits)

EDEM 690	(3)	Research Methods: Theory and Practice
EDPE 575	(3)	Statistics for Practitioners
EDSL 623	(3)	Second Language Learning
EDSL 627	(3)	Instructed Second Language Acquisition Research 2165503
WMST 601	(3)	Feminist Theories and Methods

Complementary Cour

EDSL 628	(3)	Plurilingualism&Translanguaging in Education and Research
EDSL 630	(3)	Qualitative/Ethnographic Methods
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:

EDEC 604	(3)	Literacy and Learning Across Curriculum
EDEC 606	(3)	Autobiographical Approaches in Education
EDEC 612	(3)	Digital Media and Learning
EDEC 620	(3)	Meanings of Literacy
EDEC 628	(3)	Literacy - Multilingual/Multicultural Settings

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) is responsible for the placement and evaluation of all MATL student teachers registered in the Internship courses (EDIN course code).

5.12.2.22.1 Internships

MATL Internships:

- are required courses compliant with Ministry's requirements and in accordance with the University–School Board agreements.
- are organized and evaluated by the Faculty of Education's Internships & Student Affairs Office (ISA); student teachers are not permitted to contact potential host schools to obtain a placement (unless on paid contract; see below); however, student teachers are permitted to submit preferences and requests to ISA, which are taken into account and subject to ISA policies and host school availability;
- are completed with an eligible Cooperating Teacher(s) as mentor(s), unless a student teacher has received ISA approval to use a paid teaching contract at an eligible host school to satisfy the Internship requirements (see [section 5.12.2.22.3: Placement Options](#) below);
- must be completed at the Secondary level within a public or private English school in the greater Montreal region, with the exception of the Teaching English as a Second Language (TESL) program, in which student teachers are placed in French public or private schools and will typically complete one internship at the Elementary level and one at the secondary level. Student teachers may only be placed in a private school setting for one of the two required Internships;
- may exceptionally be completed in an adult education setting (Internship 2 only) or in a French school setting, with ISA's authorization;
- require that students follow registration and placement request procedures as stipulated by the ISA. Students who do not follow procedures may not be assigned to a host school in a given term;
- may begin or end before or after the first/last day of lectures, and may continue during regularly scheduled University breaks;
- are not remunerated for student teachers placed with a Cooperating Teacher(s), although funding may be available for eligible student teachers completing Internship 2 through the government's Intern Perseverance and Success Scholarship (www.quebec.ca/en/education/repayment/intern-success-scholarship);
- require that student teachers be present in the host school on a full-time basis for the specified duration of the Internship (refer to dates on the mcgill.ca/isa/teaching/contacts-dates);
- require that student teachers budget time and money for travel to and from their assigned host school;
- may not be completed in a host school where a student teacher has a family member working or attending;
- have a corequisite Professional Seminar component (see [Minerva](#) for dates and times).

5.12.2.22.2 Registration

Students:

- normally take Internship 1 in the first W

- 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 (EDIN) course as a whole.

For students admitted to the MATL program **in Summer 2017 and beyond**:

- Most students admitted after Summer 2017 will not receive a graded grade on EDIN courses. EDIN courses will be shown on students' transcripts as a Pass or Fail Grade mode. Some students will still have the previous grade mode depending on when they were admitted to the MATL program. Students receive a final grade for the Internship course based on the recommendations of the CT(s) and Field Supervisor provided on the Summative Assessment. ;
- Students must pass both the Internship 1 (EDIN 610) 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 the case, including formal evaluations as well as written reports from the field, to render one of the following decisions:

- If the student has demonstrated potential to successfully reach the required standards of the Internship, a grade of "F" may be assigned for the EDIN course with permission to repeat an Internship during the next term in which it is offered. Per the Graduate Studies policy, a subsequent Failure (F, J, KF, WF) in an Internship or any other course, or an unsatisfactory Progress Tracking Report, will require withdrawal from the MATL program (NB: if the student has already obtained one "F", the standard failure policy applies);
- Assign a grade of "F" for the EDIN course and submit a request to Graduate & Postdoctoral Studies, asking that the student be withdrawn from the MATL program immediately (with relevant supporting documentation).

An MATL student may appeal any final outcome of an Internship course (EDIN) within 30 days of the posted grade by making a written application to the Faculty of Education – Student Affairs Committee (SAC) (isa.education@mcgill.ca). If the outcome of the SAC, once concluded, is not accepted by the student, a formal application may be made to the Associate Dean of Graduate and Postdoctoral Studies for Education.

5.12.2.3.3 Capstone Research Project (CRP)

The CRP is a research project whereby MATL students, as they complete their courses and Internships, identify an area of professional interest either in the broad landscape of teaching and learning or directly related to their subject specialty. The CRP is supported and developed throughout the MATL program in designated courses. The CRP is due and presented in the final Professional Seminar of the program. Guidelines are posted on the [Department's website](#) and the [Internships & Student Affairs website](#).

5.12.2.3.4 Portfolio

All students in the M.A. T

EDSL 512	(3)	Grammar in Teaching English as a Second Language
EDSL 515	(3)	Étude de la langue française pour enseignants

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

5.12.2.25 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
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Meanings of Literacy 1 221.949 425.Tc31 /F5 8.1 Tf students pas6277natomprTc3Crit0 0 1PerSummee years.

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 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 (51 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 627	(3)	Applied Methods in Teaching Mathematics in Secondary School
EDTL 628	(3)	Advanced Methods in Teaching Mathematics in Sec. School
EDTL 640	(3)	Teacher Inquiry and Action Research

Complementary Courses (9 credits)

3 credits selected from:

EDER 600	(3)	Globalization, Education and Change
EDTL 508	(3)	Critical Influences on Educational Praxis

3 credits selected from:

EDEC 647	(3)	Sociocultural and Epistemic Understandings of Mathematics
EDTL 520	(3)	Perspectives on Knowledge in Mathematics and Science

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
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EDER 615	(3)	Introduction to Philosophy of Education
EDTL 506	(3)	Philosophy of Education

5.12.2.27 Master of Arts (M.A.) in Teaching and Learning (Non-Thesis): Social Sciences 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 (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)	Applied Methods in Teaching Social Sciences in Sec. School

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 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
EDEM 690	(3)	Research Methods: Theory and Practice
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 525	(3)	Teaching Science and Technology
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 625	(3)	Applied Methods in Teaching Science in Secondary School
EDTL 626	(3)	Advanced Applied Methods in Teaching Science in Sec. School
EDTL 640	(3)	Teacher Inquiry and Action Research

Complementary Courses (6 credits)

3 credits selected from:

EDEC 646	(3)	Sociocultural and Epistemic Understandings of Science
EDTL 520	(3)	Perspectives on Knowledge in Mathematics and Science

3 credits selected from:

EDER 609	(3)	Education and Philosophical Thought
EDER 615	(3)	Introduction to Philosophy of Education

5.12.2.29 Doctor of Philosophy (Ph.D.) Educational Studies

Students must satisfy all program requirements of the Ph.D.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (8 credits)

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 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

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:

EDEM 690	(3)	Research Methods: Theory and Practice
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic 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 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
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 (6 credits)

One of the following courses:

EDEC 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research Interpreti

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 555	(0)	
LING 590	(0)	
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
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 705	(3)	Advanced Research Designs
EDEC 706	(3)	Textual Approaches to Research
EDEC 707	(3)	Interpretive Inquiry
EDEM 692	(3)	Qualitative Research Methods
EDSL 630	(3)	Qualitative/Ethnographic Methods

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

Course selection to be approved by Graduate Certificate Program Director.

Complementary Courses

15 credits from:

EDEC 635	(3)	Research Writing
		Leadership in Writing

Or other 500-level or higher courses approved by the Graduate Certificate Program Director.

5.12.2.35 Graduate Certificate (Gr. Cert.) Educational Leadership 3 (15 credits)

The Graduate Certificate in Educational Leadership 3 emphasizes applied research in educational leadership and ways in which educational leadership and associated theories can inform the design, implementation, and assessment of educational programs in schools. The program highlights applied research in the context of teaching and learning in Quebec elementary and secondary schools. No course taken in the Graduate Certificate in Educational Leadership 1 may be repeated in Graduate Certificate in Educational Leadership 2 or Graduate Certificate in Educational Leadership 3. The Graduate Certificate in Educational Leadership 3 may be offered on campus or online.

Students in the online version of this program, please click here for information on additional requirements.

https://www.mcgill.ca/study/university_regulations_and_resources/graduate/gi_regulations_id_and_personal_information#booknode-61130

Required Courses (12 credits)

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

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.

EDSL 601	(3)	Methods and Curriculum in Second Language Teaching 1
EDSL 602	(3)	Methods and Curriculum in Second Language Teaching 2

5.12.2.38 Certificat d'études supérieures (Cert.ed.sup.) pédagogie de l'immersion française (15 crs)

Le Certificat d'études supérieures en pédagogie de l'immersion française (PIF) outille les enseignant.e.s du primaire et du secondaire afin de répondre aux défis pédagogiques liés à l'enseignement dans la classe d'immersion française en contexte canadien. Ce certificat d'études supérieures de 15 crédits offerts en ligne* s'adresse aux enseignant.e.s détenant au préalable un brevet d'enseignement émis par une université reconnue. La réussite d'un test de français est obligatoire lors de la demande d'admission.

* Veuillez prendre note que deux cours complémentaires sont proposés sous forme d'atelier d'été en présentiel. Toutefois, ces cours ne sont pas requis pour satisfaire aux exigences du certificat d'études supérieures.

Cours obligatoires (12 crédits)

EDSL 501	(0)	Attestation de maîtrise langue française
EDSL 570	(2)	L'acquisition des langues secondes en contexte immersif
EDSL 572	(2)	Planifier l'intégration de la langue et du contenu
EDSL 574	(2)	Didactique de la langue française
EDSL 576	(2)	Soutenir la production et la compréhension en immersion
EDSL 582	(2)	L'évaluation en immersion française
EDSL 584	(2)	L'inclusion en classe d'immersion française

Cours complémentaires (3 crédits)

2 crédits parmi les suivants:

EDSL 578	(2)	Les débuts de la littérature au primaire
EDSL 580	(2)	La littérature chez les plus grands

1 crédit parmi les suivants:

EDSL 585	(1)	Enseigner la culture francophone
EDSL 586	(1)	L'identité professionnelle en immersion française
EDSL 590	(1)	Atelier en didactique de l'immersion française 1
EDSL 591	(1)	Atelier en didactique de l'immersion française 2

5.12.3 Kinesiology and Physical Education

5.12.3.1 Location

Department of Kinesiology and Physical Education
 Sir Arthur Currie Memorial Gymnasium
 475 Pine Avenue West
 Montreal QC H2W 1S4
 Canada
 Telephone: 514-398-4184, ext. 0302
 Fax: 514-398-4186
 Email: studentaffairs.kpe@mcgill.ca
 Website: mcgill.ca/edu-kpe

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);
- mobility in healthy and aging people, and in people with disabilities;
- epigenetic modifications associated with brain and spinal cord postnatal development.

Master's of Arts Program

Examples of research pursued as part of the M.A. program include the following areas:

Exercise and Health Psychology :

- psychosocial determinants of health behaviour, body-related emotions, and physical self;
- motivation in youth sport and physical activity;
- school and community-based physical activity promotion;
- promoting emotional well-being and quality of life through physical activity and sport.

Sports Psychology :

- coaching expertise;
- team building;
- psychology of athletic injuries (concussions);
- hockey violence.

Adapted Physical Activity :

- physical activity participation in the community for people with one or multiple disabilities, including developmental, emotional, intellectual, and or physical disabilities;
- self-regulation of physical activity and physical health for individuals with one or multiple disabilities;

- physical activity for people with attention-deficit hyperactivity disorder (ADHD) and movement difficulties;
- motivation, self-determination, coaching, participation, and/or social inclusion of children, youth, or adults with disabilities.

Sport, Physical, and Health Education Research in Society:

- physical and health education pedagogy, curriculum, and instruction;
- narrative conceptions of knowledge and physical education teacher education;
- sociology and cultural studies of sport, recreation, and leisure;
- historical perspectives of sport and Canadian society;
- indigenous sport and settler-colonialism.

Doctor of Philosophy Program

The Ph.D. in kinesiology sciences provides opportunities for in-depth research in areas such as:

- **Biomechanics and Neuroscience**

5.12.3.3.3 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 Kinesiology and Physical Education and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall T	Sept. 15	Jan. 15	Jan. 15	Jan. 15

5.12.3.5 Master of Arts (M.A.) Kinesiology and Physical Education (Thesis) (45 credits)

The M.A. in Kinesiology and Physical Education (Thesis) focuses on research in the social and pedagogical sciences related to kinesiology, physical activity, and physical education. Related areas of research include, but not limited to, physical and health education, sport sociology and cultural studies; adapted physical activity; and sport and exercise psychology.

Thesis Courses (24 credits)

EDKP 691	(6)	Thesis Research 1
EDKP 692	(6)	Thesis Research 2
EDKP 693	(6)	Thesis Research 3
EDKP 694	(6)	Thesis Research 4

Required Courses (9 credits)

EDKP 605	(3)	Research Methods 1
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

Complementary Courses (12 credits)

3 credits from:

Qualitaedits)

EDKP 691	(6)	Thesis Research 1
EDKP 692	(6)	Thesis Research 2
EDKP 693	(6)	Thesis Research 3
EDKP 694	(6)	Thesis Research 4

Required Courses (12 credits)

EDKP 605	(3)	Research Methods 1
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
EDPE 676	(3)	Intermediate Statistics

Complementary Courses (9 credits)

Students must take a minimum of 3 credits of coursework in a classroom setting in the area of concentration selected in consultation with the Graduate Student Adviser.

EDKP 542	(3)	Environmental Exercise Physiology
EDKP 548	(3)	Applied Exercise Psychology
EDKP 566	(3)	Advanced Biomechanics Theory
EDKP 603	(6)	Individual Reading Course 1
EDKP 616	(3)	Individual Reading Course 2
EDKP 630	(3)	Human Walking Mechanics
EDKP 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 breath 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 credits of required courses, including a capstone course intended to survey contemporary issues in kinesiology research, and two complementary courses intended to provide adequate theoretical depth to support their program of research.

Required Courses (12 credits)

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 credits)

A minimum of 6 credits from the following; other courses, at the 500-level or higher, on these topics from the Faculty of Education or other Faculties may be selected subject to approval of the program adviser.

EDKP 603D1	(3)	Individual Reading Course 1
EDKP 603D2	(3)	Individual Reading Course 1
EDKP 605	(3)	Research Methods 1
EDKP 616	(3)	Individual Reading 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

6 Faculty of Engineering

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 be

Administrative Officers

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



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.

6.3 Important Dates

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

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.

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

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 important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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.

6.8 Postdoctoral Research

Students must inform themselves of University rules and regulations and keep abreast of any changes that may occur. The *Postdoctoral*

- 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 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 and must abide by the policies listed at 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:
 - 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;
 - 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;
 - 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, 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;
 - 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.

6.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

6.8.4 Leave of Absence for Health and Parental/Familial Reasons

A leav

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

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

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 Associates

6.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

6.12.1 Architecture

6.12.1.1 Location

Peter Guo-hua Fu School of Architecture

Macdonald-Harrington Building
815 Sherbrooke Street West

A working knowledge of a language or languages relevant to the area of research is required.

6.12.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

6.12.1.3.2.1 Additional Requirements

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

Professional Master of Architecture:

- Summary of work experience. A minimum of 16 weeks of work experience is required. Further information and guidelines are provided at mcgill.ca/architecture/programs/professional/workexperience. Please use the following: [Work Experience Form](#) [.pdf]*



Note: Your employer's signature is required along with the company business card. We do **not** require the Director's signature.

- Curriculum Vitae
- Applicants are required to upload unofficial transcripts from all universities previously attended (including summer term, exchange term, or study-away term). If you are recommended for admission, you will later be required to supply official transcripts. Transcripts in languages other than English or French must be accompanied by an English or French translation provided by the institution issuing the transcript or by a certified translator. Please refer to mcgill.ca/gradapplicants/apply/ready/submit/upload and mcgill.ca/gradapplicants/apply/prepare/checklist/documents.
- A total of two (2) confidential letters of reference are required for your application: two (2) from academics **or** one (1) from an academic and one (1) from a recent employer. Once you have identified your referees (you must provide a valid institutional email address for each referee), McGill will send them an email asking for a reference in support of your application. Additionally, uploaded letters must be on university or company/business stationery **and the referee must indicate their position and full contact information** (49w3 495.152 Tm(f0360r applica) 0 1 81.693 516.092 Tm(refer to)Tj0 0 1 r 2450 g/FF2 8.1) mcgill.ca/gradapplicants/apply/prepare/checklist/documents.
- Once accepted to the M.Arch. Professional program, students will benefit from faculty expertise within the School in the areas of History and Theory of Architecture; Cultural Landscape Studies; Affordable and Sustainable Housing; Computation and Fabrication; High-performance Visualization; Minimum Cost Housing; Gender, Sexuality, and Space; Design and Health; Urban Design; Landscape Urbanism; Architectural Representation; Urban Agriculture; Vernacular Architecture; Reurbanization.
- Completed [Program Comparison Chart](#)*



Note: Not required by B.Sc.(Arch.) graduates from McGill University.

- Course calendar descriptions of previous college and/or university studies must be submitted in addition to the Program Comparison Chart.



Note: Not required by B.Sc.(Arch.) graduates from McGill University.

- A comprehensive e-portfolio (pdf format, max. 15 MB, due no later than December 15) that may include the following: selected work from previous design studios; examples of project work from other courses; examples of freehand drawing and sketching; examples of professional work: sketches, drawings, images of models, photographs of built work (professional work includes work carried out while employed in architects' offices, as well as personal projects; please identify the architect(s) and your own roles in each project illustrated).



Note: Please indicate, where applicable, if a project is an individual or group project.

Ph.D.

- Curriculum Vitae
- Applicants are required to upload unofficial transcripts from all universities previously attended. If you are recommended for admission you will later be required to supply official transcripts. Transcripts in languages other than English or French must be accompanied by an English or French translation provided by the institution issuing the transcript or by a certified translator. Please refer to mcgill.ca/gradapplicants/apply/ready/submit/upload and mcgill.ca/gradapplicants/apply/prepare/checklist/documents.
- Two confidential letters of reference are required for your application. Once you have identified your referees (you must provide a valid institutional email address for each referee), McGill will send them an email asking for a reference in support of your application. Additionally

submitted directly from the [T](#)

Professors of Practice

Howard Davies; Peter Guo-hua Fu; Julia Gersovitz; Andrew King.

Adjunct Professor

Conor Sampson

Course Lecturers

Vedanta Balbahadur, Evelyne Bouchard, Morgan Carter, Nancy Dunton, Tom Egli, Aniel Guxholli, Charles Gregoire, Olga Karpova, Shane Laptiste, Daniela Leon, Julia Manacas, Sybil McKenna, Ipek Mehmeto lu, 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 Advanced

ARCH 680	(2)	Field Sketching
ARCH 684	(3)	Contemporary Theory 1
ARCH 685	(3)	Contemporary Theory 2
ARCH 688	(3)	Directed Research 1
ARCH 689	(3)	Directed Research 2
OCC1 625	(3)	Functional Environments
URBP 555	(3)	Real Estate and Planning
URBP 651	(3)	Redesigning Suburban Space

6.12.1.6 Doctor of Philosophy (Ph.D.) Architecture

The Ph.D. in Architecture is a research degree with a thesis, the foundations for which are developed through a series of courses taken in the first two years of study. Each student meets regularly with the supervisor in the first year to prepare the thesis proposal (ARCH 700). Three Literature Review preparatory courses (ARCH 721, ARCH 722, ARCH 723) and three (or more) complementary courses are taken in the first two years of study. All students also participate in the two Research Seminars (URBP 555 and URBP 651).

- 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
 Telephone: 514-398-4494
 Fax: 514-398-6678
 Email: gradcoordinator.chemeng@mcgill.ca
 Website: 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 recognised 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 nov

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;
- products such as bacteriophages for alternativ

section 6.12.3.7: Master of Engineering (M.Eng.) Chemical Engineering (Non-Thesis): Environmental Engineering (45 credits)

The M.Eng. in Chemical Engineering (Non-Thesis) – Environmental Engineering is a specialized version of the M.Eng. in Chemical Engineering (Non-Thesis). This inter-departmental graduate program leads to a master's degree in Environmental Engineering.

6.12.3.4 Chemical Engineering Faculty

Chair

Viviane Yargeau

Emeritus Professors

David G. Cooper; John M. Dealy; Richard J. Munz; W.J. Murray Douglas; Juan H. Vera.

Professor (Post-Retirement)

Jean-Luc Meunier

Associate Professor (Post-Retirement)

Dimitrios Berk

Professors

Sylvain Coulombe; Richard L. Leask; Milan Maric; Sasha Omanovic; Alejandro D. Rey; Phillip Servio; Nathalie Tufenkji; Viviane Yargeau.

Associate Professors

Corinne Hoesli; Jan Kopyscinski; P.-Luc Girard-Lauriault; Reghan James Hill; Anne-Marie Kietzig; Christopher Moraes.

Assistant Professors

Noémie Dorval Courchesne; Samuel Huberman; Ali Seifitokaldani.

6.12.3.5 Master of Science (M.Sc.) Chemical Engineering (Thesis) (45 credits)

Thesis Courses (31 credits)

CHEE 697	(6)	Thesis Proposal
	(12)	Thesis Research 1

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
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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
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Required Courses (6 credits)

CHEE 591	(3)	Environmental Bioremediation
CIVE 615	(3)	Environmental Engineering Seminar

Complementary Courses (22 credits)

Minimum of 22 credits

Data analysis course: (3 credits)

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

Toxicology: (3 credits)

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

Water pollution engineering: (4 credits)

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

Air pollution engineering:

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

Environmental policy: (3 credits)

URBP 506	(3)	Environmental Policy and Planning
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or an approved 500-, 600-, or 700-level alternative.

Elective Courses (11 credits)

CHEE 696	(6)	Extended Project
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or another Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval.

6.12.3.8 Doctor of Philosophy (Ph.D.) Chemical Engineering

The Ph.D. in Chemical Engineering focuses on advanced materials and polymers, biomedical engineering and biotechnology, environmental engineering, energy, plasma science and artificial intelligence-assisted design and optimization. The program offers advanced training in fundamentals as well as research methods and techniques, laboratory safety and research ethics.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (4 credits)

CHEE 681	(1)	Laboratory Safety 1
CHEE 682	(1)	Laboratory Safety 2
CHEE 687	(2)	Research Skills and Ethics
CHEE 795	(0)	Ph.D. Thesis Proposal
CHEE 796	(0)	Ph.D. Proposal Defence
CHEE 797	(0)	Ph.D. Seminar. 1
CHEE 798	(0)	Ph.D. Seminar 2

Complementary Courses (6-12 credits)

6-12 credits at the 500 level or higher, in consultation with the supervisor and depending on student's background. May include the following:

CHEE 611	(4)	Heat and Mass Transfer
CHEE 621	(4)	Thermodynamics
CHEE 631	(4)	Foundations of Fluid Mechanics
CHEE 641	(4)	Chemical Reaction Engineering

6.12.4.5 Master of Science (M.Sc.) Civil Engineering (Thesis) (45 credits)

The M.Sc. in Civil Engineering focuses on structures and structural materials; infrastructure rehabilitation; risk engineering; fluid mechanics and hydraulics; materials engineering; soil behaviour; soil mechanics and foundations; water resources engineering; environmental engineering; and transportation engineering. A two- to three-semester independent research project is undertaken in one of these fields, leading to a thesis.

Thesis Courses (27 credits)

CIVE 630	(3)	Thesis Research 1
CIVE 631	(3)	Thesis Research 2
CIVE 632	(3)	Thesis Research 3
CIVE 633	(6)	Thesis Research 4
CIVE 634	(6)	Thesis Research 5
CIVE 635	(6)	Thesis Research 6

Required Course

1 credit:

CIVE 662	(1)	Master's (Thesis) Research Seminar
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Complementary Courses (17 credits)

17 credits at the 500 or 600 level, with at least 8 credits at the 600 level.

6.12.4.6 Master of Engineering (M.Eng.) Civil Engineering (Non-Thesis): Environmental Engineering (45 credits)

The program consists of a minimum of 45 credits, of which, depending on the student's home department, a minimum of 5 and a maximum of 15 may be allotted to the research project. The balance of 30 to 40 credits is earned by coursework. The Department also allows students to complete the program using a minimum of 45 credits of coursework only.

The Environmental Engineering option is administered by the Faculty of Engineering. Further information may be obtained from the Program Coordinator, Department of Civil Engineering.

Research Project

(0 or 5-15 credits)

The program may include a project or, with Departmental approval, may be completed with courses only.

Required Courses (6 credits)

CHEE 591	(3)	Environmental Bioremediation
CIVE 615	(3)	Environmental Engineering Seminar

Complementary Courses

(24-39 credits)

a minimum of 22 credits chosen from the following:

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Water pollution engineering:

Theory: Water / W

CIVE 555	(3)	Environmental Data Analysis
CIVE 572	(3)	Computational Hydraulics
CIVE 584	(3)	Mechanics of Groundwater Flow
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 550	(3)	Water Resources Management
CIVE 551	(3)	Environmental Transport Processes
CIVE 557	(3)	Microbiology for Environmental Engineering
CIVE 558	(3)	Biomolecular Techniques 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)	Design of Wood Structures
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
CIVE 683	(4)	Advanced Foundation Design
CIVE 686	(4)	Site Remediation

Project Courses

0 or 5-15 credits

Credits for a program may vary, depending on the amount of work involved. Project courses are chosen from the following:

CIVE 691	(1)	Research Project 1
CIVE 692	(2)	Research Project 2
CIVE 693	(3)	Research Project 3
CIVE 694	(4)	Research Project 4
CIVE 695	(5)	Research Project 5
CIVE 696	(6)	Research Project 6
		Research Project 7

- Bioelectrical Engineering;
- Telecommunications and Signal Processing;
- Systems and Control;
- Integrated Circuits and Systems;
- Nano-Electronic Devices and Materials;
- Photonic Systems;
- Computational Electromagnetics;
- Power Engineering;
- Intelligent Systems;
- Software Engineering.

The Department is equipped with state-of-the-art experimental laboratories and there are numerous multidisciplinary research projects, so students are provided with an ideal en

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. The program is an ideal preparation for a Ph.D. degree or an industrial research career.

section 6.12.5.6: Master of Engineering (M.Eng.) Electrical Engineering (Non-Thesis) (45 credits)

The Master of Engineering degree (project option) involves graduate-level courses and an internally examined research project. The program is oriented more toward professional development than the thesis option. The project is of significantly less scope than a thesis, and includes options such as a technical review, a design project, or a small-scale research project. Students are provided with a very solid background in electrical and computer engineering, both in terms of breadth across the entire field and depth in the area of specialty. Graduates frequently pursue careers in research and development.

**Application Opening
Dates**

Application Deadlines

**Canadian citizens/Perm. residents of
Canada (incl. Special, V**

**Current McGill Students (any
citizenship)**

6.12.5.5 Master of Science (M.Sc.) Electrical Engineering (Thesis) (45 credits)

The Master of Science in Electrical Engineering (Thesis) is research oriented and the thesis is expected to involve a thorough examination of a topic of current interest in the research area within the Department. Undertaking this program at McGill University provides students with an opportunity to conduct intensive research under the supervision of researchers who are leaders in their field. The program is an ideal preparation for a Ph.D. degree or an industrial research career.

The M.Sc. Thesis program must be completed on a full-time basis in no more than three years. The following requirements must be met:

Thesis Courses (27 credits)

ECSE 691	(4)	Thesis Research 1
ECSE 692	(4)	Thesis Research 2
ECSE 693	(4)	Thesis Research 3
ECSE 694	(4)	Thesis Research 4
ECSE 695	(4)	Thesis Research 5
ECSE 696	(4)	Thesis Research 6
ECSE 697	(4)	Thesis Research 7

Students who choose the thesis option must register for all 27 credits during the three terms of residency.

Complementary Courses (18 credits)

18 credits of 500-, 600-, or 700-level courses, of which no more than 6 credits may be outside the Department.*

* Non-departmental courses require Departmental approval. Students may be allowed to take more than 6 credits of non-Departmental courses; a letter of recommendation from their supervisor outlining the reason for such an action is required.

6.12.5.6 Master of Engineering (M.Eng.) Electrical Engineering (Non-Thesis) (45 credits)

The M.Eng. in Electrical Engineering (project option) involves an internally examined research project in addition to 27 graduate level course credits. le122 Tm(el Tm(

Required Courses

ECSE 701	(0)	Ph.D. Qualifying Examination
ECSE 702	(0)	Ph.D. Research Plan Proposal
ECSE 703	(0)	Doctoral Research Seminar

In addition to the successful completion of the required courses above, students must complete the courses prescribed by the student's Supervisory Committee.

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
 Website: 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.

The Department includes more than 30 faculty members and 200 graduate students, and is housed primarily within the recently renovated Macdonald Engineering building. The Department contains state-of-the-art experimental facilities (including a major wind tunnel facility) and has extensive computational facilities. Professors within the Department collaborate widely with professors in other units, often through research centres including the Centre for Intelligent Machines (CIM); the McGill Institute for Advanced Materials (MIAM); and the Montreal Neurological Institute and Hospital (MNI). The research interests within the Department are very broad and fall largely within the following seven areas:

- Aerodynamics and fluid mechanics
- Biomechanics
- Combustion and energy systems
- Design and manufacturing
- Dynamics and control
- Materials and structures
- Vibrations, acoustics, and fluid-structure

Within these areas, specific topics of research are given in the following:

Aerodynamics and fluid mechanics

Experimental fluid mechanics and aerodynamics, aeroelasticity, and aeroacoustics; theoretical fluid mechanics; turbulence; mixing in turbulent flows; fluid flow control; fluid-structure interactions; computational fluid dynamics, multidisciplinary optimization, and computer flow visualization; heat transfer; combustion, shock wave physics, energetic materials, high-speed reacting flows, hypersonic propulsion, and alternative fuels.

Biomechanics

Biomechanics, biomaterials, blood and respiratory flows, mechanics of soft tissues, cardiovascular devices, image processing for medical diagnostics, voice production.

Combustion and energy systems

Combustion, shock wave physics, heat transfer, and compressible gas dynamics.

Design and manufacturing

Design theory and methodology, design optimization; biomimetics; machine tools and systems, manufacturing processes, and management and control; micro/nano machining; wear and comminution processes.

Dynamics and control

Multibody systems, legged and wheeled vems, le

Applicants to the M.Sc. (Thesis) program must hold an undergraduate degree (or equivalent) in Engineering or a degree in Physical, Math or Computer Sciences.

Applicants to the M.Eng. (Non-Thesis) program must hold an undergraduate degree (or equivalent) in Mechanical Engineering.

Applicants to the M.Eng. (Aerospace) program must hold an undergraduate degree (or equivalent) in Engineering. Applicants must be proficient in French.

Applicants to the Ph.D. program must have successfully completed a master's degree program (or equivalent) in Engineering or the Physical Sciences. In exceptional circumstances, students with outstanding performance at the bachelor's level may be offered direct entry into the Ph.D. program (Ph.D. 1).

In the case of all programs, applicants must have successfully completed their prior degree(s) with a minimum CGPA equivalent to 3.3 on a scale of 4.0. Satisfaction of these minimum requirements does not guarantee admission. Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit official results of either a *TOEFL* or an *IELTS* test. The minimum score required is 92 for the Internet-based TOEFL test, with each component score not less than 20, or a minimum overall band of 7.0 on the IELTS test.

6.12.6.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Please consult 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/graduate-program.gr389.487 138b80.518 414.92138b80.518

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Dec. 15	Dec. 15	Dec. 15
Winter Term:	Feb. 15	Aug. 1	Oct. 15	Oct. 15
	N/A	N/A	N/A	N/A

Emeritus Professors

Abdul M. Ahmed; Jorge

MECH 687	(3)	Aerospace Case Studies
MECH 688	(6)	Industrial Stage

Complementary Courses (36 credits)

The other courses, depending on the area of concentration, will be chosen in consultation with an Aerospace Engineering Adviser. A maximum of 3 credits of FACC courses at the 500, 600, or 700 level may be credited toward the degree.

6.12.6.7 Master of Science (M.Sc.) Mechanical Engineering (Thesis) (45 credits)

The M.Sc. in Mechanical Engineering is a research-oriented program that focuses on planning and conducting research as well as organizing and presenting research results, supervised by one or more professors who are experts in the field.

Thesis Courses (28 credits)

MECH 691*	(3)	M.Sc. Thesis Literature Review
MECH 692	(4)	M.Sc. Thesis Research Proposal
MECH 693	(3)	M.Sc. Thesis Progress Report 1
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
Website: 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 about the M.Sc. Materials Engineering (Thesis) program.

section 6.12.7.6: Master of Science (M.Sc.) Mining Engineering (Thesis) (45 credits)

Please consult the Department for more information about the M.Sc. Mining Engineering (Thesis) program.

6.12.7.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

6.12.7.3.3 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 Mining and Materials Engineering and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15
Winter Term:	Feb. 15	Sept. 1	Oct. 15	Oct. 15
Summer Term:	May 15	Jan. 15	Jan. 15	Jan. 15

Admission to graduate studies is competitive; accordingly, Tmte and P/oomRhf122.863 605.75f 0 1 70t90 1 20b3 5e/oomRhf122.82(any

Faculty Lecturer – Mining

Shahe Shnorhokian

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
MIME 610D2	(1.5)	Master's Foundation Course
MIME 670	(6)	Research Seminar 1

Complementary Courses (9 credits)

9 credits at the 500-level or higher selected from within and/or outside the Department in consultation with the student's supervisor and/or Advisory Committee.

6.12.7.6 Master of Science (M.Sc.) Mining Engineering (Thesis) (45 credits)

The M.Sc. in Mining Engineering focuses on both fundamental and applied research. A two- to three-semester independent research project, leading to a thesis, is undertaken in any research area of mining science, engineering or technology, as well as closely related fields.

Thesis Courses (27 credits)

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 (6 credits)

MIME 601	(0)	Engineering Laboratory Practice
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6 credits from:

MIME 673 (6) Mining Engineering Seminar

Complementary Courses (12 credits)

12 credits at the 500-level or higher selected from within and/or outside the Department in consultation with the student's supervisor and/or Advisory Committee.

6.12.7.7 Master of Engineering (M.Eng.) Materials Engineering (Non-Thesis) (45 credits)

The Master of Engineering in Materials Engineering: Non-Thesis program is primarily designed to train people with appropriate engineering or scientific background to allow them to work effectively in the materials industries.

Research Project (15 credits)

MIME 680 (6) Materials Engineering Project 1
MIME 681 (6) Materials Engineering Project 2
MIME 682 (3) Materials Engineering Project 3

Required Courses (6 credits)

MIME 601 (0) Engineering Laboratory Practice
MIME 670 (6) Research Seminar 1

Complementary Courses (24 credits)

12 credits of MIME courses at the 500 level or higher.

12 credits of courses at the 500 level or higher from within and/or outside the Department in consultation with the Program Adviser.

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 perspectives, and awareness of environmental issues through a wide range of technical and non-technical courses offered by collaborating departments and faculties at the University. Students are strongly encouraged to consult with the Graduate Program Director prior to enrolling in the program.

Research Project (6 credits)

MIME 680 (6) Materials Engineering Project 1

Required Courses (6 credits)

CHEE 591 (3) Environmental Bioremediation
CIVE 615 (3) Environmental Engineering Seminar

Complementary Courses (22 credits)

(minimum 22 credits)

Data Analysis Course

One of the following courses:

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

Toxicology Course

One of the following courses:

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

Water Pollution Engineering Course

One of the following courses:

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

One of the following courses:

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

Soil and Water Quality Management Course

One of the following courses:

BREE 533	(3)	Water Quality Management
CIVE 686	(4)	Site Remediation

Environmental Impact Course

One of the following courses:

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

Environmental Policy Course

URBP 506	(3)	Environmental Policy and Planning
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or an approved 500-, 600-, or 700-level alternative.

Elective Courses (11 credits)

(minimum 11 credits)

Another project course and/or Engineering or non-Engineering 500-, 600-, or 700-level course subject to approval of the Department.

The relevant Project course in Materials Engineering is the following:

MIME 681	(6)	Materials Engineering Project 2
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6.12.7.9 Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis) (45 credits)

The Master of Engineering in Mining: Non-Thesis program is primarily designed for graduates from mining engineering programs who have received adequate academic training in modern mining technology, mineral economics, computer programming, and probabilities and statistics.

Research Project (15 credits)

MIME 628	(6)	Mineral Engineering Project 1
MIME 629	(6)	Mineral Engineering Project 2

MIME 634 (3) Mineral Engineering Project 3

Required Courses (6 credits)

MIME 601 (0) Engineering Laboratory Practice

MIME 673 (6) Mining Engineering Seminar

Complementary (24 credits)

12 credits of MIME courses at the 500 level or higher.

12 credits of courses at the 500 level or higher from within and/or outside the Department in consultation with the Program Adviser.

6.12.7.10 Master of Engineering (M.Eng.) Mining Engineering (Non-Thesis): Environmental Engineering (45 credits)

Students are strongly encouraged to consult with the Graduate Program Director prior to enrolling in the program.

Research Project (6 credits)

MIME 628 (6) Mineral Engineering Project 1

Required Courses (6 credits)

CHEE 591 (3) Environmental Bioremediation

CIVE 615 (3) Environmental Engineering Seminar

Complementary Courses (22 credits)

(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

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

Environmental Policy Course

3 credits from the following:

URBP 506 (3) Environmental Policy and Planning

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:

MIME 629 (6) Mineral Engineering Project 2

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

6.12.7.12 Doctor of Philosophy (Ph.D.) Mining 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 examination within their first year of Ph.D. study.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (6 credits)

MIME 601	(0)	Engineering Laboratory Practice
MIME 702	(0)	Ph.D. Preliminary Examination
MIME 704	(0)	Ph.D. Comprehensive Examination in Mining Engineering
MIME 776	(6)	Ph.D. Research Seminar

Complementary Courses (6 credits)

6 credits of courses at the 500 level or higher, approved by their supervisor.

6.12.7.13 Graduate Diploma (Gr. Dip.) Mining Engineering (30 credits)

Required Course (6 credits)

MIME 601	(0)	Engineering Laboratory Practice
MIME 673	(6)	Mining Engineering Seminar

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 Urban Planning

6.12.8.1 Location

School of Urban Planning
Macdonald Harrington Building, Room 400
815 Sherbrooke Street W

McGill University was the first institution in Canada to offer a full-time planning program starting in 1947. In 1972, the School of Urban Planning was created as a separate academic unit within the Faculty of Engineering. It shares a heritage building with the School of Architecture, right on the main open space of McGill's Downtown campus. The primary objective of the **Master of Urban Planning** program is to educate professional urban planners for leadership in the public, private, and not-for-profit sectors. We rely in large part on project-based learning. The program also puts great emphasis on students doing policy-relevant research.

The School's teaching and research activities pertain primarily to community planning; environmental policy and planning; international development planning; land-use planning and regulation; transportation and infrastructure planning; and urban development and urban design. These activities, which are conducted for the purpose of promoting better decision-making and improving human environments, often take place in partnership with other McGill departments (notably Architecture, Civil Engineering, Geography, and Law) and with units at other institutions in Montreal, across Canada, and abroad. The School uses Montreal and its region as its main teaching laboratory.

McGill's School of Urban Planning has a strong track record of contributing to the community and to the profession. It works with civil society as well as with government, at home and abroad, to understand urban challenges and to formulate policies and plans to meet them.

Master of Urban Planning (M.U.P.) Program

The Master of Urban Planning (M.U.P.) program is a two-year course of study that attracts students from Quebec, Canada, the U.S., and overseas. It is recognized by the *Ordre des urbanistes du Québec* (OUQ) and the *Canadian Institute of Planners*

6.12.8.3 Urban Planning Admission Requirements and Application Procedures

6.12.8.3.1 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) and mcgill.ca/urbanplanning/how-apply for detailed application procedures.



Note: The M.U.P. program is not offered on a part-time basis.

6.12.8.3.1.1 Additional Requirements

The items and clarifications below are additional requirements set by this department for the **Master of Urban Planning (M.U.P) program**. Applicants are required to upload:

- Personal Statement (one to two pages)
- Curriculum Vitae
- Proof of competency in oral and written English for applicants whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognised foreign institution where English is the language of instruction or from a recognised Canadian institution (anglophone or francophone). By the application deadline for the program, appropriate exam results must be sent electronically directly from the [TOEFL](#) (Test of English as a Foreign Language) or [IELTS](#) (International English Language Testing Systems) Office (Note: McGill's Institutional Code is 0935). The minimum requirement for the TOEFL is a score of 100 on the Internet-based test (iBT), with each component score not less than 23. The minimum score for the IELTS test is 7.0, with a score of at least 6.5 for each component.

The items and clarifications below are additional requirements set by this department for the **Doctor of Philosophy (Ph.D.) Urban Planning, Policy and Design**: Applicants are required to upload:

- a current version of their curriculum vitae
- a preliminary research proposal, not exceeding three pages, including:
 -

6.12.8.4 Urban Planning Faculty

Director

Richard Shearmur

Emeritus Professor

Jane Matthews-Glenn

Professor (Post-Retirement)

David Brown

Professors

Ahmed El-Geneidy; Richard Shearmur.

Associate Professors

Madha

9-17 credits from the following:

ARCH 515	(3)	Sustainable Design
CIVE 540	(3)	Urban Transportation Planning
CIVE 561	(3)	Greenhouse Gas Emissions
GEOG 504	(3)	Advanced Economic Geography
GEOG 525	(3)	Asian Cities in the 21st Century
URBP 501	(2)	Principles and Practice 1
URBP 503	(3)	Public Transport: Planning and Operations Planning for Active T

Students may take 0-8 credits of coursework offered at the 500 or 600 levels by any academic unit at McGill or at another Montreal university, with the approval of the School, if they help students to de

0-6 credits

Students may take up to 6 credits of coursework at the 500 or 600-level offered by any academic unit at McGill or another Montreal university, with the approval of the School, if they help students to develop an in-depth knowledge of one or more subject areas in the field of planning. Choices usually include courses in real-estate analysis, urban geograph

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 C (0-5 credits)

0-5 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	(4)	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
URBP 644	(1)	Multivariate Statistics
URBP 645	(1)	Social Research Methods 1
URBP 646	(1)	Social Research Methods 2
URBP 647	(1)	Selected Methods in Planning 1
URBP 648	(1)	Selected Methods in Planning 2
URBP 649	(1)	Visual and Spatial Methods

Students may also take courses at the 500 or 600 level in any academic unit at McGill or at another Montreal university, subject to the approval of the School.

Doctor of Paleorvices i.Pm

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

Complementar

7.2.2 Location

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



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

7.2.3 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.

7.3 Important Dates

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

7.4 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.

7.5 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

7.6 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 important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

7.7 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.

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), 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. [fi2.862 Tm\(v\)Tj9.499 T66.362 Tm\(file\)gs](#)

vi. Postdoctoral Fellows and Scholars are mandatory members of the Post-Graduate Students' Society (PGSS) and an annual association fee is automatically

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 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 T

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

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

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 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

7.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

7.12.1 Environment

7.12.1.1 Location

Macdonald Campus

Bieler School of Environment

Rowles House

21,111 Lakeshore Road

Sainte-Anne-de-Bellevue QC H9X 3V9

Downtown Campus

Bieler School of Environment

3534 University Street

Montreal QC H3A 2A7
Telephone: 514-398-2827

Coordinator – C. Zhu
Telephone: 514-398-2827
Email: grad.environment@mcgill.ca
Website: mcgill.ca/environment
Graduate Option website: 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 in existing graduate programs with an understanding of how knowledge is transferred into action with regard to the environment;
- To develop an appreciation of the role of scientific, political, socioeconomic, and ethical judgments in influencing that process;
- To provide a forum whereby graduate students in environment throughout the University bring their disciplinary perspectives together and enrich each other's learning through structured courses, formal seminars, and informal discussions and networking.

Students admitted into the Environment option will be supervised or co-supervised by either a Bieler School of Environment appointed faculty member or an 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: Master of Arts (M.A.) Anthropology (Thesis): Environment (45 credits) ([Arts](#) > Graduate > Browse Academic Units & Programs > Anthropology)

section 15.12.1: Atmospheric and Oceanic Sciences

section 15.12.1.7: Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences: Environment ([Science](#) > Graduate > Browse Academic Units & Programs)

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 > Geography)

section 15.12.6.9: Doctor of Philosophy (Ph.D.) Geography: Environment ([Arts](#) > Graduate > Browse Academic Units & Programs > Geography)

section 9.12.1: Law

section 9.12.1.7: Master of Laws (LL.M.) Law (Thesis): Environment (45 credits) ([Law](#) > Graduate > Browse Academic Units & Programs > Law)

section 9.12.1.9: Master of Laws (LL.M.) Law (Non-Thesis): Environment (45 credits) ([Law](#) > Graduate > Browse Academic Units & Programs > Law)

section 11.12.1.4: Medicine, Experimental

section 11.12.1.4.8: Master of Science (M.Sc.) Experimental Medicine (Thesis): Environment (45 credits) ([Medicine](#) > Graduate > Browse Academic Units & Programs > Medicine, Experimental)

section 11.12.1.4.10: Doctor of Philosophy (Ph.D.) Experimental Medicine: Environment ([Medicine](#) > Graduate > Browse Academic Units & Programs > Medicine, Experimental)

section 3.12.18: Philosophy

section 3.12.18.7: Doctor of Philosophy (Ph.D.) Philosophy: Environment ([Arts](#) > Graduate > Browse Academic Units & Programs > Philosophy)

section 2.12.9: Plant Science

: Master of Science (M.Sc.) Plant Science (Thesis): Environment (48 credits) ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Plant Science)

section 2.12.9.11: Doctor of Philosophy (Ph.D.) Plant Science: Environment ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Programs > Plant Science)

Renewable Resources (under [section 2.12.7: Natural Resource Sciences](#))

section 2.12.7.17: Doctor of Philosophy (Ph.D.) Renewable Resources: Environment ([Agricultural & Environmental Sciences](#) > Graduate > Browse Academic Units & Pro

Professors

Elena Bennett; Peter G. Brown; Iwao Hirose; Anthony Ricciardi.

Associate Professors

Madhav Badami; Christopher Barrington-Leigh; Jeffrey Cardille; Sylvie de Blois; Frédéric Fabry; Nicolas Kosoy; Brian Leung; Kevin Manaugh; Raja Sengupta; Renée Sieber; Ismael Vaccaro.

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.

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

8.6 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 important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

8.7 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.

8.8 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.

8.8.1 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.).

8.8.2 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), 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

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 Fello

- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities;
- to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.

v. Some examples of 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;
- 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, 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;
- 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 Re...v](#)

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

8.9 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

8.10 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 for information

8.11 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

8.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

8.12.1 Biological and Biomedical Engineering

8.12.1.1 Location

Duff Medical Building
3775 University Street, Room 316
Montreal QC H3A 2B4
Canada
Website: mcgill.ca/bbme

8.12.1.2 About Biological and Biomedical Engineering

Biological and Biomedical Engineering (BBME) is an interfaculty graduate program administered jointly by the Departments of Bioengineering (Faculty of Engineering) and Biomedical Engineering (Faculty of Medicine and Health Sciences) at McGill. Interdisciplinary in nature, the program includes extensive research areas and broad training, with over 60 world-renowned scientists, and equips students for promising careers in industry, healthcare, academia and government. Researchers in this field unravel the molecular and physiological mechanisms of life, develop increasingly advanced technologies to transform healthcare, and reverse-engineer naturally occurring biological processes. Graduates of the BBME program are poised to play a critical role in shaping our global future.

Please consult our [website](#) for additional information.

Research Domains

Ongoing biological and biomedical engineering research at McGill includes:

- artificial cells and organs
- bioinformatics, computational biology, and biocomputation
- biological materials and mechanics
- biomedical imaging and microscopy
- biomedical modelling
- biomedical sensors, diagnostics, and therapeutics
- biomedical signals and systems
- biomolecular and cellular engineering
- bioprocess engineering
- micro- and nano-bioengineering
- systems and synthetic biology

Application Opening Dates		Application Deadlines		
Winter Term:	Feb. 15	Jul. 15	Sept. 1	Sept. 1
Summer Term:	N/A	N/A	N/A	N/A

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.

8.12.1.4 Biological and Biomedical Engineering Faculty

Biological and Biomedical Engineering is an interfaculty program offered jointly by the Department of Bioengineering in the Faculty of Engineering and the Department of Biomedical Engineering in the Faculty of Medicine and Health Sciences.

Please refer to mcgill.ca/bbme/people for their respective faculty listings.

8.12.1.5 Master of Engineering (M.Eng.) Biological and Biomedical Engineering (Thesis) (45 credits)

The Biological and Biomedical Engineering (BBME) Master's program focuses on the interdisciplinary application of methods, paradigms, technologies, and devices from engineering and the natural sciences to problems in biology, medicine, and the life sciences. With its unique multidisciplinary environment, and taking advantage of research collaborations between staff in the Faculties of Medicine, Science, and Engineering. BBME of

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 610	(3)	Functional Neuroimaging Fusion
BMDE 660	(3)	Advanced MR Imaging and Spectroscopy of the Brain
MDPH 607	(3)	Medical Imaging

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
	(3)	Biomedical Instrumentation

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 Biomanufacturing sector

** Students take either BBME 600D1 and BBME 600D2 or BBME 600N1 and BBME 600N2.

Complementary Courses (24 credits)

Minimum of 18 credits from the following three lists of core courses. At least 12 credits must be chosen from biomanufacturing core courses. At least 12 credits must be chosen from BBME core courses, of which at least 6 credits must be chosen from quantitative courses.

Biomanufacturing Core:

BIEN 500	(3)	Special Topics in Bioengineering 1
BIEN 580	(3)	Synthetic Biology
BIEN 585	(3)	Metabolic Engineering
BIEN 590	(3)	Cell Culture Engineering
BIEN 670	(3)	Downstream Processing
BIEN 675	(3)	Process Analytical Technologies and Data Sciences
BIEN 680	(4)	Bioprocessing of Vaccines
BIEN 685	(3)	Gene and Cell Therapy Viral Vectors Biomanufacturing
BMDE 505	(3)	Cell and Tissue Engineering
CHEE 512	(3)	Stem Cell Bioprocess Engineering
CHEE 651	(4)	Advanced Biochemical Engineering

BBME Courses (Quantitative):

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

BBME Core (Non-Quantitative):

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

8.12.2 Neuroscience (Integrated Program)

8.12.2.1 Location

Montreal Neurological Institute, Room 141
3801 University Street
Montreal QC H3A 2B4
Website: mcgill.ca/ipn

8.12.2.2 About the Integrated Program in Neuroscience

Montreal is home to the largest concentration of neuroscientists in North America. Neuroscience research at McGill University is internationally renowned, and its Integrated Program in Neuroscience (IPN) provides graduate training in this outstanding research environment. With approximately 500 M.Sc. and Ph.D. students and more than 230 supervisors, the IPN is the largest interfaculty graduate program and one of the largest neuroscience graduate programs in North America.

Neuroscience training within the IPN spans the full spectrum of research fields, from cellular and molecular neuroscience to behavioural and cognitive neuroscience. In addition to laboratory research, the IPN offers an extensive range of courses, hosts an annual mcgill.ca/ipn/events/ipn-retreat, and maintains a seminar program to facilitate communication between students in different neuroscience disciplines. Neuroscience trainees from McGill have gone on to successful careers in academia and industry.

A prospective graduate student must *identify a supervisor*, selecting from one of several research streams which span the full spectrum of neuroscience research. A student with a bachelor's degree may apply to the **M.Sc.** program; it is common to transfer to the **Ph.D.** program if suitable progress is made. Students with M.Sc. degrees may apply directly to the Ph.D. program. IPN also offers a Ph.D. Rotation program each September.

GENERAL

1. Students must select an Advisory Committee, in conjunction with their thesis supervisor. This committee will consist of the thesis supervisor and two (maximum three) other individuals who will participate in discussions with students about their research program.
2. All Ph.D. students are required to complete a candidacy examination before the end of Ph.D. 3. The exam serves to evaluate the students' ability to perform original scholarship and to demonstrate their suitability for a Ph.D. degree. An M.Sc. student may be eligible to transfer to the Ph.D. program without submitting a master's thesis by taking the *Transfer Seminar/Candidacy Exam*. This exam is allowed if the master's CGPA is 3.5 or higher and if the student's Advisory Committee recommends the student as an appropriate candidate for Ph.D. studies. M.Sc. students who wish to pursue a Ph.D. degree, but who have not obtained the minimum 3.5 CGPA in their M.Sc. coursework while in the IPN, must submit a master's thesis and apply for the

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 de

Associate Director

E. Ruthazer

Emeritus Professors

A. Aguayo; E. Andermann; S. Carbonetto; F. Cervero; B. Collier; R. Del Maestro; M. Diksic; K. Franklin; P.C. Holland; B. Jones; D. Levitin; B. Milner; M. Rasminsky; G. Tannenbaum; C. Thompson; N. White.

Professors

J. Antel; D. Arnold; M. Avoli; S. Baillet; C. Baker; S. Baum; C. Benkelfat; D. Bernard; A. Bernasconi; V. Bohbot; D. Boivin; P. Boksa; C. Bourque; D. Bowie; B. Brais; J.C.S. Breitner; A. Brunet; N. Cermakian; M.J. Chacron; P. Clarke; T. Coderre; D.L. Collins; E. Cooper; C. Cuello; K. Cullen; S. Daniel; S. David; L. Diatchenko; J. Doyon; H. Durham; S. El Mestikawy; A. Evans; L. Fellows; C. Flores; E. Fon; A. Fournier; S.G. Gauthier; B. Giros; I. Gold; J. Gotman; A. Gratton; J. Grodzinsky; D. Guitton; D. Haegert; E. Hamel; K. Hastings; R.T. Hepple; R. Hess; R. Joobar; 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;

Upon recommendation, depending upon their particular background and needs, students may be requested to take additional selected courses at the 500 level or higher.

Note: All M.Sc.-level students must register for a minimum of 12 credits per term during the first three terms of their master's program.

8.12.2.6 Doctor of Philosophy (Ph.D.) Neuroscience

Students with an M.Sc. degree continuing in this Department will receive credit exemptions for graduate coursework accomplished (including NEUR 630 or NEUR 631). It may be recommended that they take specialty courses related to their field of study in neuroscience. Students with an M.Sc. degree from another program will be required to take NEUR 630 and NEUR 631 and/or other courses listed under the M.Sc. degree depending upon their background and field of study.

Students with an M.D. degree proceeding directly into a Ph.D. program will be required to take NEUR 630 and NEUR 631. 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 kno

Applicants are expected to hav

Professors

Ophthalmology & Visual Sciences: C. Baker, L. Levin

Pharmacology and Therapeutics: D. Bowie

Physics: P. Grutter, P. Wiseman

Physiology: L. Glass, H. Hwang

Associate Professors

Anatomy and Cell Biology: C. Brown

Bieler School of Environment: B. Leung

Assistant Professors*Physiology*: P. Bashivan, A. Krishnaswamy, J. Mandl*Psychiatry*: X. Meng**8.12.3.5 Doctor of Philosophy (Ph.D.) Quantitative Life Sciences****Required Courses (6 credits)**

QLSC 600D1	(3)	Foundations of Quantitative Life Sciences
QLSC 600D2	(3)	Foundations of Quantitative Life Sciences
QLSC 601D1	(0)	Quantitative Life Sciences Seminars 1
QLSC 601D2	(0)	Quantitative Life Sciences Seminars 1
QLSC 602D1	(0)	Quantitative Life Sciences Seminars 2
QLSC 602D2	(0)	Quantitative Life Sciences Seminars 2
QLSC 603D1	(0)	Quantitative Life Sciences Seminars 3
QLSC 603D2	(0)	Quantitative Life Sciences Seminars 3
QLSC 701	(0)	Ph.D. Comprehensive Exam

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
BMDE 512	(3)	Finite-Element Modelling in Biomedical Engineering
BMDE 519	(3)	Biomedical Signals and Systems
CHEM 514	(3)	Biophysical Chemistry
CHEM 520	(3)	Methods in Chemical Biology
COMP 551	(4)	Applied Machine Learning
MATH 682	(4)	Statistical Inference
PHYS 519	(3)	Advanced Biophysics
PHYS 559	(3)	Advanced Statistical Mechanics
QLSC 611	(3)	Directed Readings

Life Sciences

BIOC 605	(3)	Protein Biology and Proteomics
BIOL 551	(3)	Principles of Cellular Control
PHGY 518	(3)	Artificial Cells
PHGY 520	(3)	Ion Channels
QLSC 611	(3)	Directed Readings

Computational and Statistical Molecular Biology Stream

Quantitative

BIOS 601	(4)	Epidemiology: Introduction and Statistical Models
BMDE 502	(3)	BME Modelling and Identification
COMP 551	(4)	Applied Machine Learning
COMP 561	(4)	Computational Biology Methods and Research
COMP 598	(3)	Topics in Computer Science 1
HGEN 677	(3)	Statistical Concepts in Genetic and Genomic Analysis
MATH 523	(4)	Generalized Linear Models
MATH 533	(4)	Regression and Analysis of Variance
MATH 680	(4)	Computation Intensive Statistics
MATH 682	(4)	Statistical Inference
QLSC 611	(3)	Directed Readings

Life Sciences

BIOC 603	(3)	Genomics and Gene Expression
BIOL 551	(3)	Principles of Cellular Control
EXMD 602	(3)	Techniques in Molecular Genetics
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.

9 Faculty of Law

9.1 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

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



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 clo01 531 Studies)9.u2.528Di52 436.303 m67.52 452.023 1569.48 . Studies)

9.4 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.

9.5 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
-

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 Fello

- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities;
- to refer postdocs to the appropriate Univ

Category 3: An individual who holds a professional degree (or equivalent) in a regulated health profession (as defined under CIHR-eligible health profession)

9.11 Information on Research Policies and Guidelines, Patents, Postdocs, Associates, Trainees

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

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)

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 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. non-thesis program requires two terms of graduate-level coursework and another term to produce a 15,000-word research project.



Note: Availability of this program is subject to relevant courses being offered in a given year.

section 9.12.1.9: Master of Laws (LL.M.) Law (Non-Thesis): Environment (45 credits)

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 in informed decision-making in the environment sector, and its influence on political, socio-economic, and ethical judgments. The non-thesis option requires two terms of graduate-level coursework on environment law, as well as a 15,000-word research project.



Note: Availability of this program is subject to relevant courses being offered in a given year.

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

section 9.12.1.14: Doctor of Civil Law (D.C.L.) Law

The Doctor of Civil La

9.12.1.3.1.4 D.C.L. Programs

Applicants demonstrating outstanding academic ability will be considered for admission to the doctoral program.

In addition to the requirements for admission to the LL.M. programs, D.C.L. applicants must also hold a master's degree (or equivalent) in Law, with a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0 (or equivalent). Admission to the doctoral program is always dependent on the availability of a suitable supervisor.

9.12.1.3.1.5 Graduate Certificate Programs

The requirements for admission to the graduate certificate programs are essentially the same as for the LL.M. programs, except that greater weight may be placed on professional experience. For further information, visit mcgill.ca/law/grad-studies/admissions-guide/eligibility. Graduate certificate programs are available in the following two fields:

1. Graduate Certificate in *Air and Space Law*
2. Graduate Certificate in *Comparative Law*

9.12.1.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

9.12.1.3.2.1 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.

- Proof of English proficiency (for applicants whose mother tongue is not English)
- Research Proposal (D.C.L. and LL.M. applicants)
- Personal Statement (graduate certificate applicants only)
- Two Reference Letters from **academic referees**
- Curriculum Vitae
- Master's thesis (D.C.L. applicants only)

9.12.1.3.3 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 Faculty of Law and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Application Opening Dates		Application Deadlines		
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)
Fall Term:	Sept. 15	Dec. 20	Dec. 20	Dec. 20
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

The **application deadline** to all graduate programs in law (LL.M., D.C.L., Graduate Certificates) is **December 20**. The F

9.12.1.4.1 Legal Traditions and Legal Theory

This concentration combines two areas of strength: the coexistence of diverse legal traditions, particularly (but not exclusively) the ci

Courses offered within this concentration may include:

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)
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, and the commercial exploitation of space.

Courses offered within this concentration may include:

Communications Law (CMPL 577)
Comparative Medical Law (CMPL 551)
Computers and the Law (CMPL 578)
Environment and the Law (CMPL 580)
Government Control of Business (CMPL 574)
Intellectual & Industrial Property (BUS2 502)
International Environmental Law and Politics (CMPL 546)
Land Use Planning (PRV4 545)
Law and Health Care (CMPL 642)
Law and Psychiatry (PUB2 500)
Medical Liability (CMPL 522)

Courses offered within this concentration may include:

Policies, Politics and Legislativ

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

9.12.1.7 Master of Laws (LL.M.) Law (Thesis): Environment (45 credits)

The 45-credit LL.M. program, thesis option, in Environment is offered in collaboration with the Bieler School of Environment. This is a research-intensive, interdisciplinary, graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. The program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed.

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)

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:

CMPL 500	(3)	Indigenous Peoples and the State
CMPL 546	(3)	International Environmental Law and Politics
CMPL 580	(3)	Environment and the Law

and/or other Faculty of Law offerings at the 500 level or higher.

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.

9.12.1.10 Master of Laws (LL.M.) Law (Thesis): Air and Space Law (45 credits)

The 45-credit LL.M. program, thesis option, in Air and Space Law is a research-intensive graduate program focused on developing research interests into a thesis project under the supervision of a faculty member. Graduate-level courses on theoretical and methodological approaches to legal writing complement the research work and thesis completion process, and courses in specific areas of knowledge related to the candidate's research interests complete the program's credit requirements.

Candidates must remain in residence for three terms for which full-time fees will be charged. The third term, usually devoted to thesis research, may be taken the Summer of the first year. If the thesis is not completed in this time, students must register for additional sessions as needed. All degree requirements must be completed within a maximum of three years of the date of first registration.

Thesis Courses (24 credits)

As part of the course Master's Thesis 1, a thesis candidate must provide a protocol to his or her supervisor setting out details as to the thesis topic, the deadlines for the completion of the various thesis courses, and the schedule of meetings with the thesis supervisor. Modifications to the protocol must be made in writing and submitted to the Associate Dean (Graduate Studies).

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.

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.

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

9.12.1.13 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.

Comprehensive Exam - Law

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

9.12.1.16 Doctor of Civil Law (D.C.L.) Law: Comparative Law

Complementary Courses (6 credits)

6 additional credits of 500-level or higher law courses.

9.12.1.18 Graduate Certificate (Gr. Cert.) Comparative Law (15 credits)

The Graduate Certificate in Comparative Law is offered through the Institute of Comparative Law and provides advanced legal training over one term of full-time studies or two terms of part-time studies to candidates who wish to pursue graduate legal education for career-related purposes.

The certificate is awarded after one term of residence in the Faculty and upon completion of 15 credits. In every case, the program is structured to meet individual needs and must be approved by the Associate Dean (Graduate Studies).

For more information, see our website: <https://mcgill.ca/law/grad-studies/certificate-programs>.

Complementary Courses

Courses at the 500 level or higher are chosen on an individual basis.

10 Desautels Faculty of Management

10.1 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 gro

10.2.3 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.

10.3 Important Dates

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

10.4 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.

10.5 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

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 important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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.

10.8 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 need to know. For more information, contact the Postdoctoral Research Office at postdoc@mcgill.ca or call 514-393-7100.

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

10.8.2 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), 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](#)

5. Responsibilities

- i. Postdocs are subject to the responsibilities outlined at mcgill.ca/students/srr and must abide by the policies listed at 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:
 - 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;
 - 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;
 - 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, 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;
 - 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.

10.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

10.8.4 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 under "Leave Policies and Form."

10.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Gov

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

Information on Researc

Master of Business Administration (M.B.A.)/Japan

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

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 10.14.6: Master of Management (M.M.) IMHL (Non-Thesis) (45 credits)

section 10.14.7: Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)

Ph.D.

section 10.15.4: Doctor of Philosophy (Ph.D.) Management

section 10.15.5: Doctor of Philosophy (Ph.D.) Management: Environment

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)

section 10.16.5: Graduate Certificate (Gr. Cert.) Post MBA Japan (15 credits)

section 10.18.5: Graduate Certificate (Gr. Cert.) Professional Accounting (24 credits)

10.13.3 Master of Business Administration (M.B.A.) Management (Non-Thesis) (54 credits)

The MBA; Non-Thesis focuses on both hard and soft key management disciplines and skills in its required courses. Integration of the material in the required courses is accomplished with integration sessions midway through the first semester and at its end. The program is structured in such a way so as to allow for completion of the program in 16-20 months. There is maximum flexibility in the selection of electives taken, ranging from a customized set of electives reflecting the student's own interests, to completing a specialization, i.e., taking a set of at least five electives chosen from lists of specializations (e.g. finance, strategy) compiled by the Program office based on input from Faculty Areas. Students can choose between doing an Internship, completing a Practicum or applying to do an exchange semester at a foreign university.

Required Courses (27 credits)

BUSA 650*	(6)	Internship
BUSA 651*	(6)	Practicum
BUSA 695	(1.5)	Real-Time Decisions
MGCR 613	(1.5)	Managerial Economics
MGCR 614	(1.5)	Management Statistics
MGCR 617	(1.5)	Operations Management
MGCR 618	(1.5)	Leadership and Professional Skills
MGCR 620	(1.5)	Information Systems
MGCR 622	(1.5)	Organizational Strategy
MGCR 638	(1.5)	Marketing Management
MGCR 639	(1.5)	Managing Organizational Behaviour
MGCR 640	(1.5)	Accounting and Financial Reporting
MGCR 642	(1.5)	Financial Reporting

MGCR 639	(1.5)	Managing Organizational Behaviour
MGCR 640	(1.5)	Accounting and Financial Reporting
MGCR 642	(1.5)	Financial Reporting
MGCR 660	(4.5)	International Study Trip

Elective Courses (27 credits)

27 credits of courses are chosen from 600-level courses offered by the Faculty

LAWG 110D2	(1.5)	Integration Workshop
PUB2 101D1	(3)	Constitutional Law
PUB2 101D2	(3)	Constitutional Law
PUB3 116	(3)	Foundations

Second Year – 14 credits

LAWG 210	(3)	Legal Ethics and Professionalism
LAWG 220D1	(3)	Property
LAWG 220D2	(3)	Property
PRAC 200	(1)	Advocacy
PROC 124	(4)	Judicial Institutions and Civil Procedure

LAWG 508D2	(3)	Indigenous Constitutionalism
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)

BUS1 532	(3)	Bankruptcy and Insolvency
BUS2 504	(3)	Securities Regulation
CMPL 539	(3)	International Taxation
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
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 from the list below. Courses must be approved by the Faculty of Law. Courses with a "P" in the "Status" column are pre-approved for the program. Courses with an "L" in the "Status" column are not pre-approved for the program. Courses with an "L" in the "Status" column are not pre-approved for the program.

Master of Business Administration (M.B.A.); M.B.A./Japan (Non-Thesis) (57 credits)****This program is currently not offered.*****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)***10.13.6.1 Admission Requirements**For more information on admission requirements, visit our website at mcgillmbajapan.com.**10.13.6.2 Application Procedures**For more information on application procedures, visit our website at mcgillmbajapan.com.**10.13.6.3 Application Dates and Deadlines**For application dates and deadlines, visit our website at mcgillmbajapan.com.**10.13.6.4 Master of Business Administration (M.B.A.) M.B.A./Japan (Non-Thesis) (51 credits)**

** This program is currently not offered. **

10.13.6.5 Master of Business Administration (M.B.A./Japan Management (Non-Thesis): Finance (57 credits)

The McGill MBA Japan program of the Desautels Faculty of Management of McGill University is the leading MBA program in Japan, and one of the leading weekend programs in Asia. Designed for working people with several years of experience, the McGill MBA Japan program allows you to complete a Master of Business Administration program on weekends, without leaving employment.

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

The Finance Concentration focuses on how firms raise capital and on the optimal allocation of capital for investments. This concentration prepares students for careers in corporate treasury functions, asset management, and investment banking.

Required Core Courses (21 credits)

All M.B.A. students must complete the following core courses:

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 Finance concentration must complete these required courses:

FINE 622	(3)	Modern Corporate Finance
FINE 646	(3)	Investments and Portfolio Management

Complementary Courses (30 credits)

9 credits selected from the following courses toward the concentration:

ACCT 618	(3)	Financial Reporting: Structure and Analysis
FINE 620	(3)	Corporate Mergers
FINE 630	(3)	Fixed Income Markets
FINE 639	(3)	Derivatives and Risk Management
FINE 645	(3)	Money and Capital Markets
FINE 648	(3)	Applied Corporate Finance
FINE 665	(3)	Investment Strategies and Behavioural Finance
FINE 690	(3)	Advanced Topics in Finance 1
FINE 693	(3)	Global Capital Markets
FINE 694	(3)	International Corporate Finance

The remaining 15 credits of courses are chosen from 500- and 600-level courses offered by the Faculty.

6 credits from the following:

BUSA 650	(6)	Internship
BUSA 651	(6)	Practicum

10.13.6.6 Master of Business Administration (M.B.A.)/Japan Management (Non-Thesis): General Management (48 credits)

The M.B.A. (Japan); Non-Thesis - General Management focuses on both hard and soft keThe M.B.A.6ce

Based on McGill's world-leading Integrative MBA Curriculum, the MBA Japan program allows you to complete a full MBA by studying two weekends per month in as little as 20 months. Taught by world-leading professors from McGill's home campus, the MBA Japan attracts highly qualified students from Japan and around the globe.

The Global Strategy and Leadership Concentration prepares students for the challenges posed by a globalizing marketplace. The approach is cross-disciplinary and includes courses in strategy, organizational behaviour, and international business. Students will consider questions such as: What issues will the leaders of tomorrow face and how can they best tackle them? How to take a firm international? How to manage a multi-cultural workforce? How to launch a new venture? How to promote sustainable development? Students will develop skills valued by employers in consulting, business development, project management, and related fields.

Required Core Courses (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 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)

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 mark

its strategic use and development.

section 10.14.5: Master of Management (M.M.) Manufacturing Management (Non-Thesis) (56 credits)

the MGMSM 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 MGMSM 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.

Find out more about Zhejiang University's *MGMSM 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.

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.

For more information, visit our website at www.impm.org.

section 10.14.8: Master of Management (M.M.) Retailing (Non-Thesis) (45 credits)

The Master of Management in Retailing; Non-Thesis, is focused on the customer journey and explores how retail disruptors can lead to retail innovations that can significantly improve operational efficiencies, competitiveness and impact customer satisfaction to provide a foundation for a better society. International in scope, the program will focus on how retailers must adapt to the rapidly changing and increasingly complex global business environment to thrive. It aims to integrate diverse disciplines and experiential learning opportunities, including an optional internship, research opportunities with the state-of-the-art Retail Lab in addition to an international trip and Global Retail Challenge.

For more information, visit our website at mcgill.ca/bensadoun-school.

10.14.1 Admission Requirements and Application Procedures

- Analytics: For more information, please refer to mcgill.ca/desautels/programs/mma/admissions.
- Finance: For more information, please refer to mcgill.ca/desautels/programs/mmf/admissions.
- MBA: For more information, please refer to mcgill.ca/desautels/programs/mba-programs/mba/admissions.
- MGMSM China: For more information, please refer to mcgill.ca/desautels/programs/gmscm/admissions.
- IMPM: For more information, please refer to impm.org/admissions.
- IMHL: For more information, please refer to mcgill.ca/desautels/programs/imhl/applying.

10.14.2 Application Dates and Deadlines

- Analytics: For more information, please refer to mcgill.ca/desautels/programs/mma/admissions.
- Finance: For more information, please refer to mcgill.ca/desautels/programs/mmf/admissions.
- MBA: For more information, please refer to mcgill.ca/desautels/programs/mba-programs/mba/admissions.
- MGMSM China: For more information, please refer to mcgill.ca/desautels/programs/gmscm/admissions.
- IMPM: For more information, please refer to www.impm.org.
- IMHL: For more information, please refer to mcgill.ca/desautels/programs/imhl/applying.

10.14.3 Master of Management (M.M.) Analytics (Non-Thesis) (45 credits)

The core module is designed to teach the fundamentals of data and decision analytics, team management, and leadership. The complementary course module is designed to expose students to a variety of management analytics application topics including marketing, retailing, supply chain, healthcare, security, pricing, talent and network analytics. Finally, the experiential module, which consists of a capstone management analytics project plus a community project or internship, is designed to provide students with the experience of hands-on application of the concepts taught in real-world settings and the opportunity to interact with practitioners in leading analytics organizations.

Required Courses (27 credits)

Note: Students take either BUSA 693 D1 and BUSA 693 D2 or BUSA 693 N1 and BUSA 693 N2.

BUSA 693D1	(3)	Analytics and Solution Consulting Practicum
BUSA 693D2	(3)	Analytics and Solution Consulting Practicum
BUSA 693N1	(3)	Analytics and Solution Consulting Practicum
BUSA 693N2	(3)	Analytics and Solution Consulting Practicum
INSY 660	(3)	Coding Foundations for Analytics
INSY 661	(3)	Database and Distributed Systems for Analytics
INSY 662	(3)	Data Mining and Visualization
MGSC 660	(3)	Mathematical and Statistical Foundations for Analytics
MGSC 661	(3)	Multivariate Statistical Analysis
MGSC 662	(3)	Decision Analytics
ORGB 660	(1.5)	Managing Data Analytics Teams
ORGB 661	(1.5)	Ethical Leadership and Leading Change

Complementary Courses (18 credits)

3 credits from the following:

BUSA 600	(3)	Analytics Internship
BUSA 649	(3)	Community Analytics Project

15 credits from the following:

ACCT 626	(1.5)	Data Analytics in Accounting
ACCT 696	(1.5)	Advanced Topics in Accounting Analytics
BUSA 611	(1.5)	Independent Studies in Analytics 1
BUSA 613	(3)	Independent Studies in Analytics 2
BUSA 684	(3)	Analytics Study Trip
FINE 675	(1.5)	Financial Valuation Analytics for Startups
FINE 695	(1.5)	Advanced Topics in Finance Analytics 1
FINE 696	(1.5)	Advanced Topics in Finance Analytics 2
INSY 669	(1.5)	Text Analytics
INSY 670	(1.5)	Social Media Analytics
INSY 671	(1.5)	Analytics and Open Innovation
INSY 672	(1.5)	Healthcare Analytics
INSY 673	(1.5)	Security Analytics
INSY 695	(1.5)	Advanced Topics in Information Systems
MGPO 695	(1.5)	Advanced Topics in Strategy Analytics
MGSC 670	(1.5)	Revenue Management
MGSC 672	(1.5)	Operations and Supply Chain Analytics
MGSC 673	(1.5)	Introduction to Artificial Intelligence and Deep Learning
MGSC 695	(1.5)	Advanced Topics in Management Science
MRKT 671	(1.5)	Advanced Marketing Analytics

Internet Marketing Mark

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 (38 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 605	(3)	Total Quality 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 (18 credits)

9 credits of General Business and Management courses from the following:

ACCT 624	(3)	Management Accounting: Planning and Control
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MGSC 618	(3)	Data Analytics Foundations in Supply Chain Management
MGSC 690	(3)	Selected Topics in Management Science 1
MGSC 691	(3)	Selected Topics in Management Science 2

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.

Required Courses (45 credits)

BUSA 663	(6)	Reflective Mindset
BUSA 667	(6)	Analytic Mindset
BUSA 671	(3)	Managerial Experience
BUSA 676	(6)	Worldly Mindset
BUSA 677	(6)	Collaborative Mindset
BUSA 678	(6)	Catalytic Mindset
BUSA 694	(12)	Final Master's Paper

10.14.7 Master of Management (M.M.) IMPM (Non-Thesis) (45 credits)

Research Project (12 credits)

BUSA 689	(12)	Integrative Project
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Required Courses (33 credits)

BBuGN2 Tm(USA 676)Tj1 05Tj101.949 367.56 The Practice of Management 101.949 V04 Tm(grati)T1 114 3Tj101.949 e ural Experience

(3) Managing for Sustainability

of English as a Foreign Language) or [IELTS](#) (International English Language Testing Systems) Office. Applications will not be considered if a

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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

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

section 10.18.5: Graduate Certificate (Gr. Cert.) Professional Accounting (24 credits)

judgment necessary to solve practical problems related to the practice of professional accounting. Our lecturers are hard-working, dedicated, and motivated to ensure our students succeed in the program.

The GCPA program, coupled with a 24-month recognized training period, provides students with the academic and professional business training, communication and interpersonal skills needed to succeed in a CPA career.

10.18.1 Admission Requirements

Entry to the GCPA program requires a minimum cumulative grade point average (CGPA) of 3.0 on a 4.0 scale. Admission to the program is highly competitive and meeting the minimum requirements does not secure entry into the GCP

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: 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 [uApply](#) 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:

- Applicants who have been accepted to the GCPA program are required to make a CAD\$300 deposit via [uApply](#) when confirming the offer of admission. This fee is non-refundable and will be applied towards the student's tuition.

10.18.3 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 Desautels Faculty of Management and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at [mcgill.ca/gps/contact/graduate-program](#).

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	N/A	N/A	N/A	N/A
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	Oct. 1	Dec. 15	Feb. 1	Feb. 1

10.18.4 Obtaining a CPA designation

To obtain the CPA designation in Quebec, a student must have:

- Completed a Professional Education Program (PEP)
- Passed the Common Final Examination (CFE)
- Completed a 24-month period of practical experience with an accredited training office (it is the student's responsibility to obtain such employment)
- 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

Web: 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 (00 0 1 470.853 422.il6uivTj-0.3tam(Completed 122.il6uivTjQ)(y time.)Tj113.855 422.il6uivTj38 Tm(The pprcGilompsscGill Sttancarma(toncantingnized p

ACCT 351	(3)	Intermediate Financial Accounting 1
ACCT 352	(3)	Intermediate Financial Accounting 2
ACCT 361	(3)	Management Accounting
ACCT 362	(3)	Cost Accounting
ACCT 385	(3)	Principles of Taxation
ACCT 453	(3)	Advanced Financial Accounting
ACCT 463	(3)	Management Control
ACCT 475	(3)	Principles of Auditing
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10.19 Desautels Faculty of Management Academic Staff

Dean

Yolande Chan

Vice-Deans

Anthony Masi – *Vice-Dean, Faculty*

Liette Lapointe - *Vice-Dean, Programs*

Executive Committee

Emmanuelle Vaast; Benjamin Croitoru; Lisa Cohen; Samer Faraj; Robert David; John-Paul Ferguson; Saibal Ray; Saku Mantere; Mark Michaud; Greg Houlahan; Rita McAdam; Marie-José Beaudin.

Emeritus Professors

N.J. Adler; R. Brenner; W. Crowston; D.H. Drury; J-L. Goffin; R. Hebdon; R.N. Kanungo; M.D. Lee; R.J. Loulou; G.A. Whitmore.

Professors

M. Cohen; R. David; L. Dubé; V.R. Errunza; S. Faraj; M. Gumus; E. Haruvy; S. Li; S. Mantere; A.C. Masi; H. Mintzberg; A. Pinsonneault; S. Ray; E. Vaast.

Associate Professors

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Assistant Professors

K. An; P. Beaumont; D. Dakhallallah; D. Demetry; Y.D. Ding; B. Doré; S. Gopalakrishnan; R. Hariss; M. Hollister; P. Joshi; A. Karunakaran; W. Khern-am-nuai; H.R. Kim; H.S.A. Kim; D. Lee; Y. (M.) Lu; G. Ma; S. Miao; E. Obukhova; S. Oh; J-N. Reyt; T.J. Rivera; G. Roussellet; H. So; K. Tinn; G. Weitzner; B. Wenzel; C. Yoo; K. Zhu.

CAS Full-time Faculty Lecturers, Assistant Professors (Research) (Professional), & Associate Members

A. Abrams; A. Aronovitch; L. Breitner; R. Cecere; M. Chaudhury; M. Cote; S. De Four-Wyre; V. di Pietro; T. Gauvin; L.P. Gialloreto; L. Hammami; J.A. Hewlin; L. Holmgren; S. Hosain; J. Kondo; M.J. Lamothe; P. Levy; S. Madan; M. Marginson; D. Melville; K. Moore; J. Scott; T. Sidthidet; B. Smith; M. Sonberg; A. Taherizadeh; S. Tanguay; C. W

11.2 Graduate and Postdoctoral Studies

11.2.1 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)

11.2.2 Location

James Administration Building, Room 400

845 Sherbrooke Street West

Montreal QC H3A 0G4

Website: mcgill.ca/gps

Note:

- Admission Requirements
- Application Procedures
- Competency in English

and other important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

11.7 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.

11.8 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.

11.8.1 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.).

11.8.2 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), 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 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

- 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: Vacation Policy for Graduate Students and Postdocs](#).

11.8.4 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.

- The individual must arrange for basic health insurance coverage prior to arrival at McGill and may be required to provide proof of coverage

11.9 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

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

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

11.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

section 11.12.1.3.5: Master of Science (M.Sc.) Medical Radiation Physics (Thesis) (45 credits)

The program comprises:

1. didactic courses in radiation physics, radiation dosimetry, the physics of nuclear medicine and diagnostic radiology, medical imaging, medical electronics and computing, radiation biology, and radiation hazards and protection;
2. seminars in radiation oncology, diagnostic radiology, and miscellaneous aspects of medical physics, e.g., lasers;
3. laboratory courses in radiation dosimetry and medical imaging;
4. an individual research thesis.

section 11.12.1.3.6: Graduate Diploma (Gr. Dip.) Medical Radiation Physics (30 credits)

The Medical Physics Unit offers a Graduate Diploma in Medical Radiation Physics which is accredited as a Certificate in Medical Physics by the *CAMPEP* (Commission on Accreditation of Medical Physics Education Programs). It allows eligible individuals to retrain in Medical Physics. Applicants should hold a Ph.D. degree and also a B.Sc. in Honours Physics, Physics Major, or related Physics-oriented science.

11.12.1.3.3 Medical Physics Admission Requirements and Application Procedures

11.12.1.3.3.1 Admission Requirements

Candidates applying to the Graduate Diploma must hold a Ph.D. degree and also a B.Sc. in Physics, Physics Major, or related Physics-oriented science.

11.12.1.3.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures. Further information regarding the application procedures is a

Thesis Courses (18 credits)

MDPH 691D1	(9)	MSc Thesis Research 2
MDPH 691D2	(9)	MSc Thesis Research 2

Required Courses (27 credits)

MDPH 601	(3)	Radiation Physics
MDPH 602	(3)	Radiotherapy Physics
MDPH 603	(2)	Laboratory Radiotherapy Physics
MDPH 607	(3)	Medical Imaging
MDPH 608	(2)	Laboratory - Diagnostic Radiology and Nuclear Medicine
MDPH 609	(2)	Radiation Biology
MDPH 610	(2)	Instrumentation and Computation in Medical Physics 2
MDPH 613	(2)	Health Physics
MDPH 614	(3)	Physics of Diagnostic Radiology
MDPH 615	(2)	Physics of Nuclear Medicine
MDPH 618	(3)	Anatomy and Physiology for Medical Physics

11.12.13.6 Graduate Diploma (Gr. Dip.) Medical Radiation Physics (30 credits)

The Graduate Diploma in Medical Radiation Physics is intended to provide candidates holding a graduate degree in a related field with the knowledge

Email: experimental.medicine@mcgill.ca

Website: mcgill.ca/expmed

11.12.1.4.2 About Experimental Medicine

Experimental Medicine is a Division of the Department of Medicine charged with the task of providing graduate education in the Department, and enabling professors located in the research institutes of the McGill teaching hospitals and other centres to supervise graduate students. Graduate Students pursue cutting-edge medical research in a unique setting in which Ph.D. and M.D. researchers collaborate, favouring translational research into the pathogenesis and treatment of disease. The Division offers various programs, each of which has different training objectives (see below). The internationally-recognised high-quality training our graduates receive is in essence what distinguishes graduates of our programs from the graduates of comparable programs in peer institutions.

section 11.12.1.4.5: Master of Science (M.Sc.) Experimental Medicine (Thesis) (45 credits)

Applicants for the M.Sc. in Experimental Medicine must hold either an M.D. degree, a B.Sc. degree, or the equivalent. The graduate training offered is wide-ranging and addresses experimental aspects of medicine in such diverse areas as:

- endocrinology;
- hematology;
- cardiology;
- oncology;
- gastroenterology;
- genetics;
- infectious diseases.

This thesis program may lead to careers in industry, or serve as a stepping stone to further graduate studies.

section 11.12.1.4.6: Master of Science (M.Sc.) Experimental Medicine (Thesis): Bioethics (45 credits)

Applicants for the M.Sc. Bioethics Option program must hold an M.D.; a Nursing degree; a Physical and Occupational Therapy degree; and/or any other professional health training degree. Students who do not fit these criteria may be considered for admission on an 6 0.mr6cs el Students who30.16 (hi bae (alent.)Tj1 91

Assistant Professors

R. Aloyz; I. Azuelos; A. Baass; A. Bessissow; Y. Chen; N. Dayo

CMPL 642	(3)	Law and Health Care
PHIL 643	(3)	Seminar: Medical Ethics
RELG 571	(3)	Ethics, Medicine and Religion

12 credits, four 3-credit BIOE or EXMD graduate courses (500, 600, or 700 level) chosen in consultation with the Supervisor.

11.12.14.7 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 innovation, and applied data science, including the use and generation of digitized health and social data using specialized software. Fundamentals of current AI applications in medicine, methods to employ big data in clinical tool development, mathematical principals underpinning digital health and big data, and design thinking methodology in clinical innovation. High-volume streams of clinical and health-related data from clinical systems, wearables and social media.

Thesis Courses (24 credits)

EXMD 693	(12)	Master's Thesis Research 4
EXMD 694	(12)	Master's Thesis Research 5

Required Courses (9 credits)

EXMD 601	(3)	Real World Applications of Data Science and Informatics
EXMD 634	(3)	Quantitative Research Methods
EXSU 500	(3)	Artificial Intelligence in Medicine

Complementary Course (6 credits)

3 credits from the following:

(3)v	Clinical Epidemiology
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Complementary Courses (15 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.

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 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

EXMD 701D1	(0)	Comprehensive Oral Examination
EXMD 701D2	(0)	Comprehensive Oral Examination

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.

11.121411 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
PNUM 675	(3)	Stem Cell Biology

Approved by the GPD on 08/10/2018. Approved by the GPD on 08/10/2018.

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

- **Letters of Reference:** Two (2) or three (3) letters of reference must accompany any application to our program. These letters must be no more than six months old, must be on letterhead paper, and are required to be uploaded to the admissions processing system. Applicants are encouraged to request references from academic or other professional employers who can evaluate their potential for graduate studies and research, and who can attest to the applicant's research skills. Referees will also be asked to rank each applicant and to provide a size of the comparison (i.e., out of 50 supervised students).
Any applicant having undertaken pre

Professors

Neil Andersson, Gillian Bartlett, Howard Bergman, Jeannie Haggerty, Ann Macaulay, Pierre Pluye, Charo Rodriguez, Mark Y

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)

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.

11.12.1.5.7 Master of Science (M.Sc.) Family Medicine (Thesis): Medical Education (45 credits)

The MSc in Family Medicine; Medical Education option is a thesis option graduate program designed to provide research training to family physicians, and exceptionally other health professionals and other students interested in family medicine education research. This MSc Option has very close ties to the Family Medicine Educational Research Group (FMER), which integrates family medicine researchers deeply committed to the development of the family medicine education field of inquiry. The FMER's ultimate goal is to advance knowledge to: (1) constantly inform family medicine curricula innovations and continuing professional development to better family physicians' clinical practice, (2) significantly contribute to the development of the family medicine education field of inquiry, and (3) rigorously develop and inform medical education policy. This research agenda of FMER is articulated into four interrelated streams: (1) family ph

FMED 616	(1)	Applied Literature Reviews
FMED 625	(3)	Qualitative Health Research

Elective Courses (8 credits)

11.121.63 Oncology Faculty

Chair

E. Franco

Professors

B. Abdulkarim, M. Alaoui-Jamali, A. Aprikian, M. Basik, G. Batist, N. Beauchemin, C. Borchers, P. Brodt, L. Ferri, W. Foulkes, E. Franco, C. Freeman,

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

OR

- ONCO 625 (3) Quality Improvement in Primary Care (OR) 1 0 0 1 271.878 528.08 81.06m (OR) 171 0 0 1.5
- PPHS 528 (3) 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
- FMED 505 (3) Epidemiology and Data Analysis in Primary Care 1

OR

3 credits of a research design or statistics course at the 500 level or higher chosen in consultation with the student's mentor and approved by the Program Committee and the Graduate Program Director. Students who already have a very strong background in statistics may be exempt from taking a statistics course and would choose another 3-credit course. This must be approved by the Program Committee and the Graduate Program Director.

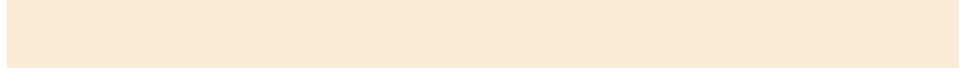
3 credits from:

- EPIB 671 (3) Cancer Epidemiology and Prevention
- EXMD 614 (3) Environmental Carcinogenesis
- EXMD 620 (1) Clinical Trials and Research 1
- EXMD 625 (1) Clinical Trials and Research 2
- EXMD 626 (1) Clinical Trials and Research 3
- Experimental Medicine TT(1)(1)(3am CommManag 489.6 1 Glob026 682.12 269.70.471 682.12371.0 0 1 304.3521n(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
		Living with Illness, Loss and Bereav 0 1 336.775

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.



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 1.8.2

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
Website: 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 translate experimental research into improved methods of diagnosis and therapy.

The Pathology Department offers research training in a wide variety of areas such as:

- Cancer research, including the fundamental biology of breast cancer, ovarian cancer, brain tumors, soft tissue tumors, and the mechanisms of metastasis;
- Immunology and transplantation;
- Autoimmune disorders;

11.12.1&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 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.

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	May 1	June 21	June 21
Winter Term:	Feb. 15	Sept. 10	Nov. 10	Nov. 10
Summer Term:	May 15	Jan. 15	April 1	April 1

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

11.12.1.84 Pathology Faculty

Chair

Marie-Christine Guiot (*Interim*)

Director of Graduate Program

E. Zorychta

Professors

M. Auger, M.N. Burnier Jr., A. Ferenczy, R. Fraser, D. Haegert, I. Hüttner, R.P. Michel, A. Spatz, C.M. Telleria

Associate Professors

L. Alpert, J. Arseneau, C. Bernard, F

Complementary Courses (9 credits)

3 credits, one of the following courses:

PATH 613	(3)	Research Topics in Pathology 1
PATH 614	(3)	Research Topics in Pathology 2

6 credits, two 500-, 600-, or 700-level courses offered by the Department; subject to approval of the research director and Graduate Students Committee, up to 3 credits of 500-, 600-, or 700-level credits may be taken in another department.

11.121.86 Doctor of Philosophy (Ph.D.) Pathology**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 courses of research and the ability to synthesize and evaluate information.

Director of Graduate Program

N. Mechawar

Emeritus Professors

F. Abbott, L. Annable, M.K. Birmingham, F. Engelsmann, N. Frasure-Smith, S. Gauthier, A. M. Ghadirian, C. Gianoulakis, A. Malla, J.C. Negrete, J. Paris, G. Pinard, S. Young

Professors (Post-Retirement)

J. Guzder

Professors

V. Bohbot, D. Boivin, M. Bond, J. Breitner, A. Brunet, N. Cermakian, S. El Mestikawy, F. Elgar, M.-J. Fleury, C. Flores, B. Giros, G. Gobbi, I. Gold, A. Gratton, D. Groleau, R. Gruber, L.T. Hechtman, R. Jooper, S. King, L.J. Kirmayer, E. Latimer, M. Lepage, M. Leyton, M.J. Meaney, N. Mechawar, R. Mizrahi, V.N.P. Nair, L. Palaniyappan, R. Palmour, J.C. Perry, R.O. Pihl, J. Poirier, R. Quirion, M. N.Rajah, P. Rosa, C. Rousseau, L.K. Srivastava, H. Steiger, B. Thombs, G. Turecki, C.-D. Walker, S. Williams

Associate Pr

Telephone: 514-934-1934, ext. 42837
Email: gradstudies.surgery@mcgill.ca
Website: mcgill.ca/experimentalsurgery

11.12.1.102 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, surgical stimulation, surgical innovation, education, and evaluative/outcomes research.

A list of research directors and their research topics is available on our [website](#).

[section 11.12.1.10.5](#)

section 11.12.1.10.12: Doctor of Philosophy (Ph.D.) Experimental Surgery

The doctoral program is intended for students with excellent academic standing who wish to pursue research-focused careers in academia, the medical field, or industry. Thesis projects, available in the various laboratories of the Department, ensure that students receive in-depth training and exposure to varied conceptual frameworks and a wide array of experimental strategies.

section 11.12.1.10.13: Graduate Certificate (Gr. Cert.) Surgical Innovation (15 credits)

The centre of this graduate program is two innovation courses (EXSU 620 and EXSU 621) delivered by the McGill Department of Surgery. The first semester of the program focuses on team building and, supported by lectures, the students embark on a needs-finding process by observing all aspects of clinical activity in their focus themes. The trainees learn basic prototyping skills, start-up organization, and project management. This is supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This certificate then gives a solid non-thesis-based foundation in the innovation process.

section 11.12.1.10.14: Graduate Diploma (Gr. Dip.) Surgical Innovation (30 credits)

The cores of this program are two-fold. Firstly, two innovation courses are offered by the McGill Department of Surgery, Experimental Surgery (EXSU 620 Surgical Innovation 1 and EXSU 621 Surgical Innovation 2) and supporting courses are delivered by the McGill Department of Surgery with some sessions in those courses provided by external partners, Local Industry (Regulatory & IP), the John Molson School of Business (JMSB) (lean start-up), Concordia University (software design), and *L'École de technologie supérieure* (ETS) (prototyping). Secondly, fundamental business and management courses are taken concurrently provided by Continuing Studies (McGill) and JMSB and reinforce the innovation project team experience.

11.121.103 Experimental Surgery Admission Requirements and Application Procedures

11.121.1031 Admission Requirements

M.Sc. Core Program

Usually a B.Sc., M.D., or D.V.M. degree is required, with a minimum CGPA of 3.2/4.0. Applications will be accepted from candidates sponsored by a research supervisor willing to provide laboratory space, funding, and direction for their research work.

M.Sc. Concentrations

Generally a B.Sc. in biological, biomedical and life science; physical science; computer science; an M.D. degree; or a B.Eng. is required. Exceptionally, on a case-by-case basis, an applicant holding a B.Com.; B.C.L./LL.B.; or B.A. or B.Sc. in humanities and social sciences will be considered. An applicant must have a minimum CGPA of 3.2/4.0.

Ph.D. Program

Admission is usually through one of the M.Sc. programs, either upon completion of the M.Sc. degree, or by transfer from the first year of M.Sc. to the second year of Ph.D. studies, within the Department. Request for such transfer is to be made in writing by the thesis supervisor during the candidate's first year of M.Sc. studies. A candidate for transfer must submit an application to the doctoral program according to normal procedures and deadlines. **Transfer is granted on the basis of an examination administered by the student's Research Advisory Committee.** Exceptional students with a minimum 3.5/4.0 CGPA may apply directly to the Ph.D. program.

Students with an M.Sc. degree from other departments or from other recognized universities whose M.Sc. topic is closely related to the subject of their Ph.D. research may be admitted directly into the Ph.D. program, at the level of Ph.D. 2, at the discretion of the Department. Exceptional students with a master's degree unrelated to their proposed research may be admitted to Ph.D. 1.

Graduate Certificate and Graduate Diploma

Generally a B.Sc. in biological, biomedical and life science; physical science; computer science; an M.D. degree; or a B.Eng. is required. Exceptionally, on a case-by-case basis, an applicant holding a B.Com.; B.C.L./LL.B.; or B.A. or B.Sc. in humanities and social sciences will be considered. An applicant must have a minimum CGPA of 3.2/4.0.

- Letter of Intent –

both specialized and broad-based training through the use of the most recent techniques in molecular biology, biochemistry, pharmacology, physiology, pathology, bio-informatics, and genomics.

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 (6 credits)

EXSU 602	(3)	Knowledge Management 2
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And:

3 credits from the following:

EDPE 575	(3)	Statistics for Practitioners
EPIB 507	(3)	Biostats for Health Sciences
EXSU 606	(3)	Statistics for Surgical Research

Complementary Courses (9 credits)

9 credits, taken from 500, 600, or 700 level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Advisory Committee to take additional courses.

11.121.106 Master of Science (M.Sc.) Experimental Surgery (Thesis): Digital Health Innovation (45 credits)

The M.Sc. in Experimental Surgery; Digital Health Innovation focuses on the basics of clinical epidemiology, medical artificial intelligence, clinical innovation, and applied data science, including the use and generation of digitized health and social data using specialized software. Fundamentals of current AI applications in medicine, methods to employ big data in clinical tool development, mathematical principals underpinning digital health and big data, and design thinking methodology in clinical innovation. High-volume streams of clinical and health-related data from clinical systems, wearables and social media.

Thesis Courses (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 (15 credits)

EXMD 600	(3)	Principles of Clinical Research
EXMD 601	(3)	Real World Applications of Data Science and Informatics
EXMD 634	(3)	Quantitative Research Methods
EXSU 500	(3)	Artificial Intelligence in Medicine
EXSU 620	(3)	Surgical Innovation 1

11.121.107 Master of Science (M.Sc.) Experimental Surgery (Thesis): Global Surgery (45 credits)

The M.Sc. in Experimental Surgery, Concentration in Global Surgery, emphasizes health care needs specifically within the surgical field in resource-limited 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 endeavors allowing professionals from partner countries and Canada to engage in a learning and knowledge

transfer experience through training and courses. Students choosing this option will have the opportunity to engage in international research projects including injury epidemiology surveillance and assessment of surgical access through the study of databases. The thesis must be relevant to global surgery.

Thesis Courses (30 credits)

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 (9 credits)

EPIB 507	(3)	Biostats for Health Sciences
EPIB 521	(3)	Regression Analysis for Health Sciences
EXSU 602	(3)	Knowledge Management 2

Complementary Courses (6 credits)

6 credits, taken from 500-, 600-, or 700-level courses in consultation with the Research Advisory Committee.

Depending on their individual background, students may be asked by their Research Advisory Committee to take additional courses.

11.121.108 Master of Science (M.Sc.) Experimental Surgery (Thesis): Surgical Education (45 credits)

The M.Sc. in Experimental Surgery, Concentration in Surgical Education, provides a foundation in surgical education practice and research. The program highlights the unique teaching and learning environment of surgery coupled with a basis in educational theory, curricular design, and implementation. A major emphasis of this program is surgical educational research with the elaboration, designs, implementation, and analysis of a research project founded in best practices of educational research. The research project may encompass, but is not limited to, surgical stimulation, technical skills acquisition, surgical technology, and assessment.

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 (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

6 credits from the following:

EPIB 521	(3)	Regression Analysis for Health Sciences
EPIB 629	(3)	Knowledge Synthesis
EXSU 500	(3)	Artificial Intelligence in Medicine
FMED 625	(3)	Qualitative Health Research
PPHS 527	(3)	Economics for Health Services Research and Policy

Or other relevant 500-, 600-, or 700-level courses upon approval of the student's Research Advisory Committee.

11:21:1011 Master of Science (M.Sc.) Experimental Surgery (Non-Thesis) (45 credits)

Revision, June 2022. Start of revision.

This M.Sc. in Experimental Surgery (Non Thesis) offers a graduate level training program in core fundamentals of modern surgical research. The program is based primarily on academic course work and short projects. It is designed to be flexible and provide students the opportunity to gain core disciplines whilst allowing training opportunities in more specific areas such as global surgery, innovation, education, or as the interest of the students dictates. The individual research interests of the faculty cover a wide spectrum, from injury, repair, recovery, tissue engineering, transplantation, fibrosis, cancer and stem cell biology, biomechanics, and organ failure, to surgical simulation, surgical innovation, education, and evaluative/outcomes research. Importantly, the project(s) is performed in a collaborative spirit with basic and clinician scientists working together using interdisciplinary approaches to solve the most challenging problems in the field of surgery. Upon graduation, students will have acquired core skills on statistics, knowledge management, biomedical research, epidemiology as well as education, global surgery, and innovation.

Required Courses (12 credits)

EXSU 500	(3)	Artificial Intelligence in Medicine
EXSU 602	(3)	Knowledge Management 2
EXSU 623	(6)	Surgery Research Project 2

Complementary Courses (24 credits)

3 credits selected from:

EDPE 575	(3)	Statistics for Practitioners
EPIB 507	(3)	Biostats for Health Sciences
EXSU 606	(3)	Statistics for Surgical Research

Or 3 credits of a research design or statistics course at the 500 level or higher.

3 credits selected from:

EXSU 603	(3)	Surgical Education Foundations FEXSU 603
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*Note: Students either take EDPE 637 and EDPH 689; or EPIB 521 and PPHS 528; or EXSU 620 and EXSU 621; or EXSU 505 and any course in the course grouping available in a given year if the number of registered students has not exceeded the projected enrolment.

12 credits selected from:

BMDE 653	(3)	Patents in Biomedical Engineering
BMDE 654	(3)	Biomedical Regulatory Affairs - Medical Devices
BMDE 655	(3)	Biomedical Clinical Trials - Medical Devices
DENT 669	(3)	Extracellular Matrix Biology
EDPE 637	(3)	Issues in Health Professions Education
EDPE 687	(3)	Qualitative Methods in Educational Psychology
EDPH 689	(3)	Teaching and Learning in Higher Education
EPIB 681	(3)	Global Health: Epidemiological Research
EXMD 609	(3)	Cellular Methods in Medical Research
EXMD 610	(3)	Molecular Methods in Medical Research
EXSU 501	(6)	Medical Technology Internship 1
EXSU 601	(3)	Knowledge Management 1
EXSU 605	(3)	Biomedical Research Innovation
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2
EXSU 622D1	(6)	Surgery Research Project 1
EXSU 622D2	(6)	Surgery Research Project 1
EXSU 684	(3)	Signal Transduction
FMED 619	(3)	Program Management in Global Health and Primary Health Care
PHGY 518	(3)	Artificial Cells
PHGY 550	(3)	Molecular Physiology of Bone
PPHS 511	(3)	Fundamentals of Global Health
PPHS 529	(3)	Global Environmental Health and Burden of Disease

Elective Courses (9 credits)

9 credits taken from 500-, 600-, or 700-level courses at the University, which may include courses from the list above, will be taken with the approval of the director of the program/adviser.

Revision, June 2022. End of revision.

Doctor of Philosophy (Ph.D.) Experimental Surgery

EDPE 575	(3)	Statistics for Practitioners
EPIB 507	(3)	Biostats for Health Sciences
EXSU 606	(3)	Statistics for Surgical Research

Complementary Courses (12 credits)

6 credits from the following:

EDPH 689	(3)	Teaching and Learning in Higher Education
EXMD 634	(3)	Quantitative Research Methods
EXSU 500	(3)	Artificial Intelligence in Medicine
EXSU 601	(3)	Knowledge Management 1
EXSU 602	(3)	Knowledge Management 2
EXSU 603	(3)	Surgical Education Foundations
EXSU 619	(3)	The Hospital Environment
EXSU 620	(3)	Surgical Innovation 1
EXSU 621	(3)	Surgical Innovation 2

And 6 credits at the 500 level or higher in the student's specialty, selected in consultation with the Research Supervisory Committee.

11.121.1013 Graduate Certificate (Gr. Cert.) Surgical Innovation (15 credits)

The core of this 15-credit graduate program consists of two innovation courses (EXSU 620 and EXSU 621) delivered by McGill Department of Surgery, with some sessions offered by external partners: John Molson School of Business (lean start-up), Concordia (software design), Local Industry (Regulatory & IP), and ETS (prototyping). the first semester of the program core focuses on team building and, supported by lectures, the students embark on a needs-finding process by observing all aspect of clinical activity in their focus themes. Trainees learn basic prototyping skills, start up organization and project management, supplemented by a basic statistics course and an introduction to the current status of biomedical research innovation. This certificate provides a solid foundation in the innov

organization, and project management.

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;
- aging.

The Department offers contemporary facilities for the wide range of techniques currently employed in research. Modern methods of cell and molecular biology, immunology, and biochemistry are used in conjunction with specialized microscopy in a variety of experimental systems.

The Department has one of the largest and best-equipped electron microscope facilities in the world. Currently in use are four modern electron microscopes which include a Tecnai F20 and a Titan Krios. Combined with some of these microscopes are computer-aided analytical equipment capable of elemental microanalysis, histomorphometry, reconstruction, and quantitation. The high-voltage microscope is particularly useful for certain analytical electron optical procedures such as electron diffraction, lattice imaging, and three-dimensional electron microscopy.

Funding

The minimum yearly stipend for Canadian Citizens and Permanent Residents is \$20,000 for MSc students, and \$22,000 for PhD students. MSc and PhD International students will receive a minimum yearly stipend of \$24,000 to compensate for tuition fees higher than Canadian Citizens, Permanent Residents, and Quebec-resident students. The minimum stipend for International students is guaranteed for the duration of the residency period in which students pay their highest fees.

All students are financially supported either by their supervisor or through fellowships or scholarships. Prospective students are urged to make every effort to secure their own funding. Applications may be made for a variety of fellowships administered by the University or by various federal, provincial, or private agencies. For more information on fellowships and awards, see the [Graduate and Postdoctoral Studies website](#).

Departmental Seminars

Nationally and internationally recognized scientists present their research findings to the Department at a regular [seminar series](#) throughout the academic year. On a regular basis, graduate students also present their own research progress and results to other students, postdoctoral fellows, and researchers in the Department through the Research in Progress Seminar Series.

section 11.12.2.2.5: Master of Science (M.Sc.) Cell Biology (Thesis) (45 credits)

Graduate research activities leading to the presentation of the M.Sc. Thesis involve original experimental work in one of the areas being actively investigated by the Department's research supervisors. Our graduate program offers training in a personal, unique, and multidisciplinary environment in a top Canadian university with worldwide recognition. The thesis-based Master's training is intended for students with a B.Sc. or B.A. degree in life sciences from a university of recognized reputation. Candidates with an M.D., D.D.S., or D.V.M. degree are also welcome. Students are trained in how to address biological problems with an integrative understanding of cell biology by conducting hypothesis-driven projects. The training provides all the tools required for successful careers in academic settings as well as in industry or other fields.

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 graduate program offers training in a personal, unique, and multidisciplinary environment in a top Canadian university with worldwide recognition. The thesis-based Ph.D. training is intended for students with a B.Sc., B.A., or M.Sc. degree in life sciences from a university of recognized reputation. Candidates with an M.D., D.D.S., or D.V.M. degree are also welcome. Students are trained in how to address biological problems with an integrative understanding of cell biology by conducting hypothesis-driven projects. The training provides all the tools required for successful careers in academic settings as well as in industry or other fields.

11.12.2.2.3 Anatomy and Cell Biology Admission Requirements and Application Procedures

11.12.2.2.3.1 Admission Requirements

Admission is based on the candidate's academic record and letters of recommendation. A minimum cumulative grade point average (CGPA) of 3.0 out of 4.0 is required. Once a student has submitted all the required documents, the applicant's file will be reviewed by the Graduate Admission Committee. Files that do not meet the minimum requirement will not be considered. Applicants must also be accepted by a research supervisor who is a faculty member or

1. A B.Sc. degree in life sciences or any of M.D., D.D.S., or D.V.M. degrees from a university of recognized reputation
2. Evidence of a high academic achievement with a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0 as indicated in the general guidelines set up by GPS

Ph.D. Program (Cell Biology)

1. An M.Sc. degree in life sciences or any of M.D., D.D.S., or D.V.M. degrees from a university of recognized reputation
2. Evidence of a high academic achievement with a minimum cumulative grade point average (CGPA) of 3.0 out of 4.0 as indicated in the general guidelines set up by GPS

International Applicants

Graduate studies applicants whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction, or from a recognized Canadian institution (anglophone or francophone), must submit the following:

TOEFL: Minimum score of 86 on the Internet-based test (iBT) with each component score 20 or higher.

or

IELTS: Minimum overall band score of 6.5.

11.122232 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures. Further details from the department can be found under the "Applying" tab at mcgill.ca/anatomy/graduate.

All applicants are advised to contact potential research supervisors before the application process since supervisor acceptance is required. Information about the research interests of faculty members can be found in our [Departmental Directory](#).

Program guidelines are listed under the "Master's" and "Doctorate" tabs at mcgill.ca/anatomy/graduate.

11.122232.1 Additional Requirements

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

- Agreement of a faculty member to act as Thesis Supervisor and to provide adequate financial support

11.122233 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Department of Anatomy and Cell Biology and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.in1O6052 378.E04 0caBd1 0byh64v

Associate Professors

Orest W. Blaschuk, Khanh Huy Bui, Craig Mandato, John F. Presley

Assistant Professors

Susanne Bechstedt, Sean McWatt, Michael Strauss, Mikaela Stiver, Gabriel Venne, Nicole Ventura, Mina Zeroual, Natalie Zeytuni

Associate Members

Biochemistry: Donna Senger, Peter Siegel

Bioengineering: Allen Ehrlicher

Biomedical Engineering: Maryam Tabrizian

Dental Medicine and Oral Health Sciences: Mari T. Kaartinen, Svetlana Komarova

Endocrinology & Metabolism: Christian Rocheleau

Human Genetics: Loydie A. Jerome-Majewska

Ingram School of Nursing: Rosetta Antonacci

Medicine: Giovanni Di Battista, Janet Henderson, Stephane Laporte, Stéphanie Lehoux, Donna Senger, Peter Siegel

Neurology and Neurosurgery: Colin Chalk, Jean-François Cloutier, Alyson Fournier, Andréa Leblanc, Heidi McBride, Edward S. Ruthazer, Charles E. Smith, Thomas Stroh

Obstetrics and Gynecology: Makato Nagano

Oncology: Stephen Robbins, Donna Senger

Pediatrics: Loydie A. Jerome-Majewska

Pharmacology and Therapeutics: Daniel Bernard, Claudio Cuello, Jason Tanny

Physiology: Claire Brown

Surgery: Lisbet Haglund, David Labbé, Peter Metrakos

Urology: David Labbé

Adjunct Professors

Gregor Andelfinger, Philippe Campeau, Michel Cayouette, Frédéric Charron, Jean-François Côté, Daniel Cyr, Jacques Drouin, Jennifer Estall, Patrick Freud, Michael Greenwood, David Hipfner, Artur Kania, Justin Kollman, Stéphane Lefrançois, Alexei Pshzhetsky, Isabelle Rouiller, Michael Sacher, Elitza Tocheva, Javier Vargas

11.12225 Master of Science (M.Sc.) Cell Biology (Thesis) (45 credits)**Thesis Course (24 credits)**

ANAT 698	(24)	M.Sc. Thesis Research 1
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Required Course (12 credits)

ANAT 601	(3)	MSc Seminar Examination
ANAT 695	(3)	Seminars in Cell Biology 1
ANAT 696	(3)	Seminars in Cell Biology 2
ANAT 697	(3)	Seminars in Cell Biology 3

Complementary Courses (9 credits)

6 credits from one of two streams: Cell Developmental Biology Stream or Human Systems Biology Stream

Cell Developmental Biology Stream

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.

11.12226 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

11.12231 Location

Department of Biochemistry
McIntyre Medical Sciences Building
3655 Promenade Sir-William-Osler
Montreal QC H3G 1Y6
Canada
Christine Laberge: Student Affairs Officer/Graduate Program Coordinator
Telephone: 514-398-2423
Email:

11.12.2.3.2 About Biochemistry

The Department of Biochemistry offers M.Sc. and Ph.D. programs, which emphasize laboratory research. Our research interests include:

- molecular and cell biology;
- the regulation of gene and protein expression;
- signal transduction;
- protein structure and function;
- membrane biology;
- cell death and differentiation;
- embryonic development;
- neurobiology;
- bioinformatics;
- cancer.

Specialized graduate training programs in Chemical Biology, Human Systems Biology (Bioinformatics), *Cancer Research/Oncology*, and *Structural Biology* are available. Laboratories are located in the new Bellini Life Sciences Building and Rosalind and Morris Goodman Cancer Research Institute, and the renovated McIntyre Medical Sciences Building, together comprising one of the best-equipped research facilities in Canada. The outstanding quality of our research has been recognized by recent awards including a Gairdner Award, two Killam Prizes, and eight Canada Research Chairs.

Funding

Master's students receive a minimum stipend of \$20,000 annually; doctoral students receive \$22,000. The Department is committed to helping graduate students secure adequate funding for their research. All students are financially supported either by their supervisor or through fellowships or scholarships. Prospective students are urged to make every effort to secure their own funding. Applications may be made for a variety of fellowships administered by the University or by various federal, provincial, or private agencies. For more information on fellowships and awards, see the [Graduate and Postdoctoral Studies website](#).

Departmental Seminars

Visiting scientists and senior doctoral students present their research findings to the Department at a regular seminar series throughout the academic year. All graduate students are required to attend the regular seminars and additional special lectures, and are encouraged to attend scientific conferences and symposia.

section 11.12.2.3.5: Master of Science (M.Sc.) Biochemistry (Thesis) (45 credits)

The M.Sc. in Biochemistry introduces students to laboratory-based research at an advanced level. The M.Sc. program offers core courses in advanced biochemistry topics, but focuses on laboratory research. The program provides sophisticated training in the technical as well as theoretical aspects of biochemistry, at one of the leading Biochemistry departments in Canada. The M.Sc. program is an excellent preparation for skilled positions in the biomedical sciences, in industry or the public sector, or for superior research in a Ph.D. program.

section 11.12.2.3.6: Master of Science (M.Sc.) Biochemistry (Thesis): Bioinformatics (45 credits)

Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyse datasets, the application of modelling techniques, the creation of tools for manipulating bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

Students successfully completing the Bioinformatics option at the M.Sc. level will be fluent in the concepts, language, approaches, and limitations of the field.

The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

section 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 Univ

section 11.12.2.3.7: Master of Science (M.Sc.) Biochemistry (Thesis): Chemical Biology (47 credits)

The program of training incorporates several important features, including a diverse curriculum and programs of seminars, workshops, and discussion groups designed to provide students with a well-rounded exposure to both the chemical and biological aspects of the discipline. The M.Sc. option provides a foundation in the concepts and approaches of Chemical Biology.

section 11.12.2.3.8: Doctor of Philosophy (Ph.D.) Biochemistry

The Ph.D. in Biochemistry trains students in laboratory-based research at the highest level. The Ph.D. program is streamlined to emphasize independent research, and the many areas of biochemistry studied in our Department offer a wide choice of specialties. Students gain in-depth expertise in biochemistry and the biomedical sciences, with the opportunity to carry out research projects at a world-class level and build collaborations with other leading research groups.

Graduates of the Ph.D. program are outstandingly prepared for leadership careers in the basic health sciences in industry, the public sector, or academia.

section 11.12.2.3.9: Doctor of Philosophy (Ph.D.) Biochemistry: 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 analyse datasets, the application of modelling techniques, the creation of tools for manipulating Bioinformatics data, the integration of biological databases, and the use of algorithms and statistics.

Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field, and have the capability of developing an independent Bioinformatics research program.

The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

section 11.12.2.3.10: Doctor of Philosophy (Ph.D.) Biochemistry: Chemical Biology

The Chemical Biology Thematic Group is engaged in a diverse range of research topics which span structural biology, enzymology, nucleic acid research, signalling pathways, single molecule biophysics, and biophysical chemistry of living tissues. Among the themes which unite the research being performed in this group is trying to learn new chemistry and physics from biological systems. We have projects relating to pharmaceutically relevant enzymes such as those involved in drug metabolism and antibiotic resistance; development of therapeutic agents in the control of inflammation, cancer and viral infections; 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 faculty members.

Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized

Emeritus Professors

Rhoda Blostein, Philip E. Branton, Peter E. Braun, Robert E. MacK

Master of Science (M.Sc.) Biochemistr

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:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
CHEM 503	(3)	Drug Discovery
PHAR 503	(3)	Drug Discovery and Development 1

and at least 3 credits from the following:

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 additional credits, to a total of at least 11 complementary course credits from the following list:

CHEM 522	(3)	Stereochemistry
CHEM 582	(3)	Supramolecular Chemistry
CHEM 591	(3)	Bioinorganic Chemistry
CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
EXMD 510	(3)	Bioanalytical Separation Methods
EXMD 602	(3)	Techniques in Molecular Genetics
PHAR 504	(3)	Drug Discovery and Development 2
PHAR 562	(3)	Neuropharmacology
PHAR 563	(3)	Endocrine Pharmacology
PHAR 707	(3)	Topics in Pharmacology 6

* 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.

11.122.38 Doctor of Philosophy (Ph.D.) Biochemistry**Thesis**

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with pre

* 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 register for these courses until notified by the Student Affairs Officer.

Students must complete BIOC 701 in the third term after admission to the program, BIOC 702 in the fifth or sixth term, and BIOC 703 approximately six months prior to submission of the Ph.D. thesis.

Complementary Courses*** (9 credits)

At least 3 credits from the following:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
CHEM 503	(3)	Drug Discovery
PHAR 503	(3)	Drug Discovery and Development 1

At least 3 credits from the following:

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 additional credits to a total of at least 9 complementary course credits from the following list:

CHEM 522	(3)	Stereochemistry
CHEM 582	(3)	Supramolecular Chemistry
CHEM 591	(3)	Bioinorganic Chemistry
CHEM 621	(5)	Reaction Mechanisms in Organic Chemistry
CHEM 629	(5)	Organic Synthesis
EXMD 510	(3)	Bioanalytical Separation Methods
EXMD 602	(3)	Techniques in Molecular Genetics
PHAR 504	(3)	Drug Discovery and Development 2
PHAR 562	(3)	Neuropharmacology
PHAR 563	(3)	Endocrine Pharmacology
PHAR 707	(3)	Topics in Pharmacology 6

*** 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.

11.12.2.4 Biomedical Engineering

11.12.2.4.1 Location

Department of Biomedical Engineering
Duff Medical Building

3775 University Street, Room 316
Montreal QC H3A 2B4
Canada
Telephone: 514-398-6736
Fax: 514-398-7461
Website: 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;
-

11.12.24.3 Biomedical Engineering Admission Requirements and Application Procedures**11.12.24.31 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.

11.12.24.32 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Please address enquiries directly to the Department.

11.12.24.33 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 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.

	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	May 1	June 21	June 21
Winter Term:	Feb. 15	Sept. 10	Nov. 10	Nov. 10
Summer Term:	N/A	N/A	N/A	N/A

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.

11.12.24.4 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.

Assistant Professors

G. Chen; A. Haidar; D.A. Rudko; C.L. Tardif.

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; A. Evans; J. Gotman; D. Guitton; A. Hendricks; C. Hoesli; R. Hoge; 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; D. Nicolau; C. Pack; D. Pasini; W. Reisner; A. Shmuel; C. Wagner; B. Willie; Y.B. Xia.

Adjunct & Affiliate Members

P.G. Charette; K. Cullen; I. El Naqa; C. Grova; D. Kroo; L. Malic; H. Motallebzadeh; J.-M. Lina; M. Mekhail; J.L. Nadeau; P. Nguyen; G.B. Pike; A. Reader; T. Veres; P. Warrick.

11.12245 Master of Science, Applied (M.Sc.A.) Translational Biomedical Engineering (Non-Thesis) (45 credits)

The M.Sc.(Applied) in Translational Biomedical Engineering; Non-Thesis is a full-time specialized 13- to 16-month professional program in translation biomedical engineering. This is an intensive program that focusses on the biomedical engineering industry through a comprehensive curriculum covering essential skills and knowledge needed to translate biomedical engineering research into clinical and commercial solutions.

The program consists of three main components that are unique to the translational process in biomedical engineering, including: 1) translational course on intellectual property, regulatory affairs, quality management systems, clinical trials and reimbursement; 2) fundamental science courses in biomedical engineering; and 3) an experiential component, comprising of a closely supervised 4-month internship in the biomedical engineering industry.

None of the courses taken in the graduate certificate in Translational Biomedical Engineering can be credited towards the M.Sc.(Applied) once the graduate certificate has been awarded.

Required Courses (30 credits)

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 Reimbursement
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

11.12.246 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

(3)	Engineered Nanomaterials for Biomedical Applications
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BMDE 503	(3)	Biomedical Instrumentation
BMDE 508	(3)	Introduction to Micro and Nano-Bioengineering

Translational Biomedical Engineering

BMDE 656	(3)	Medical Device Reimbursement
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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
Website: mcgill.ca/humangenetics

Administration

Ross MacKay – *Student Affairs Advisor*

Email: ross.mackay@mcgill.ca

Rimi Joshi – *Student Affairs Coordinator*

Email: 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

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
- 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)

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

section 11.12.2.5.9: Doctor of Philosophy (Ph.D.) Human Genetics

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 11.12.2.5.10: Doctor of Philosophy (Ph.D.) Human Genetics: Bioinformatics

Students successfully completing the Bioinformatics option at the Ph.D. level will be fluent in the concepts, language, approaches, and limitations of the field and have the capability of developing an independent Bioinformatics research program. Bioinformatics research lies at the intersection of biological/medical sciences and mathematics/computer science/engineering. The intention of the Bioinformatics option is to train students to become researchers in this interdisciplinary field. This includes the development of strategies for experimental design, the construction of tools to analyze datasets, the application of 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.

11.12253 Human Genetics Admission Requirements and Application Procedures

11.122531 Admission Requirements

M.Sc. in Genetic Counselling

Prerequisites:

- Bachelor's or medical degree – minimum cumulative grade point average (CGPA) of 3.2 out of 4.0, or 3.4 out of 4.0 in the last two full-time academic years;
- Recent (within the past five years) university-level courses in molecular/cell biology, biochemistry, advanced genetics (preferably human), statistics, and a minimum of two courses in psychology;
- Some experience (either paid or volunteer) working with adults in a counselling or advisory capacity, ideally in a crisis setting.

For detailed information, visit the [Genetic Counselling Program website](#).

M.Sc. and Ph.D. in Human Genetics

Prerequisites:

- B.Sc. – minimum CGPA of 3.2 out of 4.0;
- A minimum of 6 credits in cellular and molecular biology or biochemistry, 3 credits in mathematics or statistics, and 3 credits in genetics.

Admission is based on acceptance by a [research supervisor](#), confirmed [funding](#) for the duration of the academic program, and an online application form evaluated by the Graduate Training Committee.

Prospective graduate students should complete the online application form and indicate the name of the secured research supervisor.

For detailed information, visit the [Human Genetics program website](#).

Language Requirements

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit a [TOEFL](#) or [IELTS](#) test score to McGill University. For TOEFL, a minimum score of 100 on the Internet-based test (iBT) is required, with each component scoring 20 or higher. On the IELTS the minimum standard for consideration is 7.



Note: TOEFL scores must be sent electronically by the testing agency to McGill University using our institution code of 0935. Scanned copies of results or hard copies sent in the mail will not be entered as received in your application. IELTS scores also must be submitted electronically by the test centre to McGill University.

11.122532 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

11.122533 Application Dates and Deadlines

M.Sc. Genetic Counselling program* (Non-Thesis)

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Jan. 01	Jan. 01	Jan. 01	
Winter Term:	N/A	N/A	N/A	N/A	
Summer Term:	N/A	N/A	N/A	N/A	

M.Sc. (Thesis) and Ph.D. Human Genetics programs

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	March 31	March 31	March 31	
Winter Term:	Feb. 15	Jul. 15	Sept. 1	Sept. 1	
Summer Term:	May 15	Jan. 10	Apr. 1	Apr. 1	

Applications for thesis programs submitted after these deadlines may be considered, if a suitable supervisor can be secured. Howe

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.

11.12.25.7 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
HGEN 662	(3)	Laboratory Research Techniques
HGEN 692	(3)	Human Genetics

Complementary Courses (3 credits)

3 credits from the following:

CMPL 642	(3)	Law and Health Care
PHIL 643	(3)	Seminar: Medical Ethics

HGEN 641	(3)	Second Year Practicum 2
IPEA 503	(0)	Managing Interprofessional Conflict
PATH 653	(3)	Reading and Conference

11.12.25.9 Doctor of Philosophy (Ph.D.) Human Genetics

Candidates entering Ph.D. 1 must complete at least three years of full-time resident study (six terms). The normal and expected duration of the Ph.D. program is four to five years. A student who has obtained a master's degree at McGill in a related field, or at an approved institution elsewhere, and is proceeding in the same subject toward a Ph.D. degree may, upon the recommendation of the Graduate Training Committee, enter at the Ph.D. 2 level.

Thesis

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)

HGEN 692	(3)	Human Genetics
HGEN 701	(0)	Ph.D. Comprehensive Examination

Complementary Courses (15 credits)

(15 credits or 6 credits depending on admission status as described above.)

Courses are to be chosen from the list below and/or from among 500-, 600-, or 700-level courses offered in the Faculties of Medicine and Science.

HGEN 660	(3)	Genetics and Bioethics
HGEN 661	(3)	Population Genetics
HGEN 663	(3)	Beyond the Human Genome
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

COMP 616D2	(1.5)	Bioinformatics Seminar
HGEN 692	(3)	Human Genetics
	(0)	Ph.D. Comprehensive Examination

section 11.12.2.6.6: Doctor of Philosophy (Ph.D.) Microbiology and Immunology

The primary goal of the Ph.D. program is to create a self-propelled researcher, proficient in experimental designs and advanced methodologies applicable to the varied and rapidly changing disciplines in microbiology and immunology. Close research supervision and bi-weekly laboratory sessions impart the requisite research discipline and objective assessment of acquired or published research data.

A Ph.D. student, if promoted from our M.Sc. program, without submitting the thesis, is required to register for one additional graduate seminar and one additional reading and conference course, but the bulk of their time is devoted to research. Other requirements include a yearly presentation of the accumulated research data to the Ph.D. supervisory committee, successfully clearing the Ph.D. comprehensive examination, two years after registration into the Ph.D. program, and finally submission of a thesis. The research theme must be original, and the acquired data and hypothesis must be defended orally by the student. Each student receives a stipend for the entire duration and a minimum six-semester residency is required for the completion of the program.

11.12.2.6.3 Microbiology and Immunology Admission Requirements and Application Procedures

11.12.2.6.3.1 Admission Requirements

Master's

Candidates are required to hold a B.Sc. degree in microbiology and immunology, biology, biochemistry, or another related discipline; those with the M.D., D.D.S., or D.V.M. degrees are also eligible to apply. The minimum cumulative grade point average (CGPA) for acceptance into the program is 3.2 out of 4.0.

Applicants to graduate studies whose mother tongue is not English, and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English. Before acceptance, appropriate exam results must be submitted directly from the *TOEFL* (Test of English as a Foreign Language) or *IELTS* (International English Language Testing Systems) Office. An institutional version of the TOEFL is not acceptable. Applications will not be considered if a TOEFL or IELTS test result is not available.

- TOEFL Internet-Based Test (iBT): a minimum overall score of 86 (no less than 20 in each of the four components)
- IELTS: a minimum overall band score of 6.5

The TOEFL Institution Code for McGill University is 0935.

Ph.D.

Students who have satisfactorily completed an M.Sc. degree in microbiology and immunology, a biological science, or biochemistry, or highly qualified students enrolled in the departmental M.Sc. program, may be accepted into the Ph.D. program provided they meet its standards.

11.12.2.6.3.2 Application Procedures

11.12264 Microbiology and Immunology Faculty

Chair

Samantha Gruenheid (*Interim*)

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, G.T. Marczyński, S. Sagan, A. Shapiro

Assistant Professors

J Chahal, I. King, 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

Microbiology: D. Cuong Vinh, M. Divangahi, C. Liang, D. Nguyen, M. Reed

Molecular Biology: N. Cermakian, A. Jardim, D. Langlais, A. Mouland, K. Pantopoulos, M. Tremblay, B. Turcotte, J. Xia

Virology: A. Gatignol, A.E. Koromilas, R. Lin, J. Teodoro

Adjunct Professors

E. Cohen, A. Descoteaux, J.M. Di Noia, A. Finzi, C. Krawczyk, G. Kukolj, P. Lau, S. Lesage, A. Petronela, K. Pike, W-K. Suh

Adjunct Member

F. Veyrier

11.12265 Master of Science (M.Sc.) Microbiology and Immunology (Thesis) (45 credits)

Thesis Courses (33 credits)

MIMM 697	(11)	Master's Research 1
MIMM 698	(11)	Master's Research 2
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

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

11.1227.6 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

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.)

11.12.27.9 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.

section 11.12.2.8.5: Master of Science (M.Sc.) Physiology (Thesis) (45 credits)

The M.Sc. program is intended for students from an academic background wishing to pursue careers in academia, industry, or medicine. The multidisciplinary nature of the Department exposes students to a vast array of research interests and experimental approaches. Thesis work is available in a broad range of disciplines from molecular and cellular to systems physiology covering multiple organ systems. Students wishing to continue to the doctoral program have the option of transferring to the Ph.D., and waiving the M.Sc. thesis submission.

section 11.12.2.8.6: Master of Science (M.Sc.) Physiology (Thesis): Bioinformatics (45 credits)

The intention of the Bioinformatics option is to train M.Sc. students to become researchers in a highly 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 of bioinformatics data, the integration of biological databases, and the use of algorithms and statistics. Students successfully completing the Bioinformatics option will be fluent in the concepts, language, approaches, and limitations of the field. The option consists of a number of interdisciplinary courses and a seminar designed to bring students from many backgrounds together and to provide a thorough overview of research in this field.

section 11.12.2.8.7: Master of Science (M.Sc.) Physiology (Thesis): Chemical Biology (45 credits)

The Chemical Biology option is designed to expose students to aspects of drug design and development, as well as their application to the study of physiological and pathophysiological processes. In addition to thesis work with appropriate mentors, students will participate in lectures, seminar courses, and thematic workshops, all of which are designed to familiarize students with the current state of the field. This interdisciplinary approach will develop researchers interested in academic careers or in the pharmaceutical and biotechnology industries.

See [Univer](#)

Assistant Professors

Pouya Bashivan, Arjun Krishnaswamy, Judith Mandl, Anastasia Nijnik, Masha Prager-Khoutorsky, Daniela Quail, Melissa Vollrath

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

Required Courses (12 credits)

COMP 616D1	(1.5)	Bioinformatics Seminar
		COMP 616D1

3 credits from the following:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
CHEM 503	(3)	Drug Discovery
PHAR 503	(3)	Drug Discovery and Development I

11.12.28.8 Doctor of Philosophy (Ph.D.) Physiology

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 1

PHGY 724	(1)	Ph.D. Seminar Course 5
PHGY 725	(1)	Ph.D. Seminar Course 6

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

11.1228.10 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 degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Required Courses (11 credits)

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
PHGY 604	(0)	Responsible Conduct in Research
PHGY 701	(0)	Ph.D. Comprehensive Examination
PHGY 703	(1)	Ph.D. Progress Seminar 1
PHGY 704	(1)	Ph.D. Progress Seminar 2
PHGY 720	(1)	Ph.D. Seminar Course 1
PHGY 721	(1)	Ph.D. Seminar Course 2
PHGY 722	(1)	Ph.D. Seminar Course 3
PHGY 723	(1)	Ph.D. Seminar Course 4
PHGY 724	(1)	Ph.D. Seminar Course 5

Complementary Courses (6 credits)

6 credits from the following:

CHEM 502	(3)	Advanced Bio-Organic Chemistry
CHEM 503	(3)	Drug Discovery
PHAR 503	(3)	Drug Discovery and Development 1

11.12.3 Communication Sciences and Disorders

11.12.3.1 Location

School of Communication Sciences and Disorders
2001 McGill College Avenue, Suite 800
Montreal QC H3A 1G1
Canada
Telephone: 514-398-4137
Fax: 514-398-8123
Email: scsd@mcgill.ca
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Applicants to graduate studies whose mother tongue is not English and who have not completed an undergraduate or graduate degree from a recognized foreign institution where English is the language of instruction or from a recognized Canadian institution (anglophone or francophone), must submit documented proof of competency in oral and written English **prior to admission**:

- the Test of English as a Foreign Language (*TOEFL*) with a minimum score of 95 on the Internet-based test with minimum component scores of 24 in both Speaking and Writing and 21 in both Reading and Listening;

OR

- the International English Language Testing System (*IELTS*) with a minimum overall band score of 7.0.

M.Sc. (Applied)

An applicant must hold an undergraduate degree in any discipline. The program is highly competitive and we have space for fewer than 10% of applicants; the mean cumulative undergraduate GPA for admitted students falls at around 3.8 on a 4.0 scale. There are 21 credits of prerequisite coursework, including 3 credits in statistics, and a total of 18 credits across the disciplines of Linguistics and Psychology or related areas (with a minimum of 6 credits each in Linguistics and Psychology). Please refer to mcgill.ca/scsd/programs/slp/how-apply/prerequisite-courses for important details on the nature of these prerequisites.

M.Sc. in Communication Sciences and Disorders

The M.Sc. provides research training for:

1. students who are also taking courses for professional qualification;
2. students who have a non-thesis professional degree in Communication Sciences and Disorders; and
3. students with degrees in related fields who wish to do research but not obtain professional qualification in Communication Sciences and Disorders.

Ph.D. in Communication Sciences and Disorders

Applicants should normally have a master's degree with thesis or its equivalent in Communication Sciences and Disorders or a related field (e.g., psychology, linguistics).

Students who possess an appropriate bachelor's degree or master's degree without thesis will also be considered for the Ph.D. program, but, if admitted, must first complete a Qualifying year of coursework and a research project. All applications received by the application deadlines are automatically considered for any internal funding or awards made available to the Department for recruitment purposes. Students who apply for Fall admission generally have the most options with respect to applying for external funding as well as for being considered for internal support.

11.123.32 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Please see the [School of Communication Sciences and Disorders website](#) for required application materials.

11.123.32.1 Additional Requirements

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

M.Sc. (Applied)

- [Casper Online Test](#)
- 21 credits Prerequisite coursework, provide details in uApply as specified
- Brief personal statement
- Curriculum Vitae
- Two Reference Letters (one professional and one academic)

M.Sc. (Thesis) and Ph.D.

- Personal Statement
- Curriculum Vitae
- Writing Sample
- Acceptance by a research supervisor
- Two Reference Letters (academic)

If available, applicants are encouraged to submit reports of their performance on the Graduate Record Examination (*GRE*).

11.123.33 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 School of Communication Sciences and Disorders and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Application Opening Dates		Application Deadlines		
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)
Fall Term:	Sept. 15	Jan. 15	Jan. 15	Jan. 15
Winter Term:	Feb. 15	Sept. 15	Sept. 15	Sept. 15
Summer Term:	N/A	N/A	N/A	N/A

11.12.3.4 Communication Sciences and Disorders Faculty

Director and Associate Dean

Susan Rvachew

Graduate Program Director

Linda Polka

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, Me

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 competency-based framework, including academic and supervised clinical practicum components. This professional program is accredited by The Council for Accreditation of Canadian University Programs in Audiology and Speech-Language Pathology.

Required Courses (82 credits)

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
SCSD 611D1	(.5)	Essential Competencies for Speech-Language Pathology 1
SCSD 611D2	(.5)	Essential Competencies for Speech-Language Pathology 1
SCSD 612D1	(.5)	Essential Competencies for Speech-Language Pathology 2
SCSD 612D2	(.5)	Essential Competencies for Speech-Language Pathology 2
SCSD 613	(1)	Counselling in Speech-Language Pathology
SCSD 614	(3)	Literacy Across the Lifespan

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SCSD 637	(3)	Developmental Language Disorders 1
SCSD 638	(2)	Neurolinguistics
SCSD 639	(3)	Voice Disorders
SCSD 643	(3)	Developmental Language Disorders 2
SCSD 644	(3)	Acquired Language Disorders
SCSD 646	(4)	Introductory Clinical Practicum
SCSD 679	(12)	Advanced Clinical Practicum
SCSD 680	(3)	Deglutition and Dysphagia
SCSD 681	(3)	Practicum and Seminar 1
SCSD 682	(3)	Practicum and Seminar 2
SCSD 688	(1)	Genetics in Speech-Language Pathology Practice
SCSD 689	(1)	Management Cranio-Facial 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

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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 hav

2001 McGill College Ave, 12th floor
Montreal QC H3A 1G1
Telephone: 514-398-6668
Website: mcgill.ca/biomedicalethicsunit/teaching/masters

For information, contact the Graduate Program Director:

Jennifer Fishman – jennifer.fishman@mcgill.ca

11.12422 About Bioethics

The Biomedical Ethics Unit was established in 1996 with the aim of supporting scholarly research, clinical services, teaching, and public outreach. Members of the unit have backgrounds in law, sociology, molecular genetics, history, medicine, and philosophy. We offer a master's degree specialization in biomedical ethics for selected master's students in the Division of Experimental Medicine, the Department of Family Medicine, Department of Human Genetics,

Associate Professors

C. Ells, J.R. Fishman, N. King.

Assistant Professor

P. Friesen

Associate Members

G. Bartlett-Esquillant (*Department of Family Medicine*), J.S. Beaudry (*Faculty of Law*), E. Bereza (*Department of Family Medicine*), F. Carnevale (*Ingram School of Nursing*), R. Gold (*Faculty of Law*), A. Fuks (

Adjunct Professors

DRSP Montréal: C. Dea, G. Denis, A. Guyon, Y. Jen, A. Kossowski, R. Lessard, R. Massé, S. Palmieri

Harvard Univ.: J. Brownstein

Health Canada: C. Gravel

Hôpital Ste. Justine: M. Henderson

Independent: I. Arnold, E. Braithwaite, K. Krishnan, C. Larson, K. Morrison, L. Scott

INESSS: D.A. Roy

INSPQ: N. Auger, N. Damestoy, E. Lo, S. Perron, S. Stock

Montreal Chest Hospital Centre: P. Rohan

Mount Sinai: M. Baltzan

Shire Inc.: A. Koutsavlis

Univ. de Montréal: M. Keezer, J. Le Lorier, A. Motulsky, C. Quach-Thanh, M.E. Schnitzer, J. Siemiatycki, K. Zinszer

Univ. of Bern: A. Chiolero

Univ. of Bonn: D. Bartels

Affiliate Professors

Independent: L. De Montigny, J. Merckx

Univ. Hospital Basel : J.R. Young

11.12434 Epidemiology

The Department offers master's and doctoral degrees in Epidemiology. The methods learned in these fields are used not only in the study of diseases, but also in clinical research, health services research, public health, program planning and evaluation, and policy development. Our faculty members are at the

section 11.12.4.3.4.3: Master of Science (M.Sc.) Epidemiology (Thesis) (45 credits)

pharmaco-epidemiological, policy, and methodological health-related research. Graduates of the program often go on to do doctoral work or become research associates in public, private, and academic settings. McGill graduates are kno

section 11.12.4.3.4.9: Doctor of Philosophy (Ph.D.) Epidemiology: Pharmacoepidemiology

doctoral thesis. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences. They will go on to careers in pharmacoepidemiology in public, private, and academic settings. With a world-renowned reputation for excellence in pharmacoepidemiology, McGill-trained pharmacoepidemiologists are known for methodological and quantitative rigour, and quantitative analytic independence.

section 11.12.4.3.4.10: Doctor of Philosophy (Ph.D.) Epidemiology: Population Dynamics

The Population Dynamics Option (PDO) is a cross-disciplinary, cross-faculty graduate program offered by the *Centre on Population Dynamics* (CPD) as an option within existing master's and doctoral programs in the Departments of Sociology, Economics, and Epidemiology, Biostatistics and Occupational Health (EBOH) at McGill University. Students who have been admitted through their home department or faculty may apply for admission to the option. The option is coordinated by the CPD, in partnership with participating academic units.

Thus, in addition to the rigorous training provided in the Department of EBOH, graduate students who choose this option become *Centre on Population Dynamics* (CPD) student trainees. This affiliation offers opportunities for interdisciplinary research and supervision. The option also provides a forum whereby students bring their disciplinary perspectives together and enrich each other's learning through structured courses, a weekly seminar series, and informal discussions and networking.

With interdisciplinary research being increasingly important to understanding complex social and biological processes, CPD student trainees benefit from both a strong disciplinary foundation from their departmental affiliations, as well as from the sharing of knowledge across disciplinary boundaries through CPD activities.

11.12.4.3.4.1 Public Health

The Department offers a Master of Science in Public Health. Students apply the methods they learn to the study of diseases, clinical research, health services research, public health, program planning and evaluation, and policy development. Our faculty members are at the forefront of research in epidemiology, biostatistics, clinical medicine, biomedical informatics, public health, health economics, medical sociology, and health geography.

Faculty members in the Department draw on extensive contacts in the public health community locally, nationally, and internationally to facilitate practicum placements in many areas, including:

- urban public health practice;
- clinical and public health informatics;
- environmental and occupational health;
- health care delivery and organization;
- infectious diseases;
- maternal and child health;
- aboriginal health;
- global health.

Graduates are highly sought after for careers in government agencies, NGOs, clinical settings, research, and industry.

section 11.12.4.3.4.6: Master of Science (M.Sc.) Public Health (Non-Thesis) (60 credits)

The mission of the Master of Science in Public Health is to train outstanding public health professionals and future leaders by offering a rigorous academic program in methods, research, and practice. This program may be of interest for students from the natural or quantitative sciences (e.g., microbiology, computer science, statistics, economics, geography), social sciences (e.g., sociology, psychology, anthropology), or the health professions (e.g., medicine, nursing, social work, physical and occupational therapy, nutrition). Through a core series of courses, a wide range of electives, and a practicum, students will gain

Master's of Public Health

Applicants to the Master's of Public Health programs must hold a bachelor's degree. Experience in this field is an asset.

Ph.D.

Applicants to the Ph.D. program must hold a Master's degree in Epidemiology, or Public Health, or its equivalent. Applicants who hold a Master's degree in another area can sometimes be considered. Applicants who are admitted to the Ph.D. Epidemiology program without an M.Sc. in Epidemiology are expected to ensure that they have sufficient preparation for the Ph.D. level courses.

Complete details on the Epidemiology programs are available on our [Departmental website](#). Information on the Master's of Public Health program is available [here](#).

Language Requirement

Minimum *TOEFL* scores required, when applicable, of 100 on the Internet-based test. Minimum score for *IELTS*: 6.5.

11.124342.1.1 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > Graduate > Graduate Admissions and Application Procedures > [section 1.4.3: Application Procedures](#) for detailed application procedures.

Completed applications, with all supporting documents, must be uploaded directly to the McGill admissions processing system by the application deadlines.

Please see our website, mcgill.ca/epi-biostat-och/academic-programs/grad/epidemiology/applying, for information on required documents.

11.124342.1.1.1 Additional Requirements

Please consult mcgill.ca/epi-biostat-och/academic-programs/grad/epidemiology/applying for information on our requirements.

11.124342.1.2 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 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.

	Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens	Canadian citizens/Perm. residents of Canada	Current McGill Students (any citizenship)	Special, Visiting & Exchange Students
Fall Term:	Sept. 15	Dec. 1	Dec. 1	Dec. 1	April 30
Winter Term:	Feb. 15	N/A	N/A	N/A	Sept. 10
Summer Term:	N/A	N/A	N/A	N/A	N/A

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

11.124343 *Master of Science (M.Sc.) Epidemiology (Thesis) (45 credits)*

Students will study the foundations and principles of epidemiology and applied biostatistics, in order to design, conduct, and analyze clinical, population-based, environmental, policy, and methodological health-related research. Graduates will be prepared to engage in scientific collaboration, and communicate results to other scientists and diverse audiences.

Thesis Course (21 credits)

EPIB 690 (21) M.Sc. Thesis

Required Courses (21 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
 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, chosen in consultation with the student's academic adviser or supervisor.

11.124344 Master of Science (M.Sc.) Epidemiology (Non-Thesis): Environmental & Occupational Health (48 credits)

This program provides in-depth training for graduate students in methods used in Environmental and Occupational Health (EOH) and the application of these methods to study the effects of environmental and occupational exposures on human health. Students will be provided with tools to critically evaluate studies in EOH, as well as to be able to participate in these studies, learn how to apply specific methods to environmental and occupational problems, and understand how to apply research results to public health or policy. Career opportunities exist in academia, industry, and the public health sectors. Each student will be assigned a supervisor to provide guidance for their project. Research topics must be related to environmental and occupational health and approved by the program coordinating committee.

Research (12 credits)

EPIB 691

(12)

Research Project in Epidemiology

Required Courses (30 credits)

Students exempted from any of the courses listed below must replace them with additional complementary course credits.

EPIB 613

(1)

Introduction to Statistical Software
Data Analysis in Health Sciences

Population and Public Health Interventions (social and behavioural science)

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
SOCI 512	(3)	Ethnicity and Public Policy
SOCI 520	(3)	Migration and Immigrant Groups
SOCI 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

Stream 4: Health Policy and Ethics

3 credits in:

PPHS 624	(3)	Public Health Ethics and Policy
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6 credits from:

PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 614	(3)	Knowledge Translation and Public Health Leadership

Stream 5: Infectious Disease

3 credits in:

PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
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6 credits from:

EPIB 638	(3)	Mathematical Modeling of Infectious Diseases
PPHS 527	(3)	Economics for Health Services Research and Policy
PPHS 528	(3)	Economic Evaluation of Health Programs
PPHS 615	(3)	Introduction to Infectious Disease Epidemiology
PPHS 618	(3)	Program Planning and Evaluation in Public Health
PPHS 624	(3)	Public Health Ethics and Policy

Stream 6: Environmental Health

9 credits from:

EPIB 684	(3)	Principles of Environmental Health Sciences 1
EPIB 685	(3)	Principles of Environmental Health Sciences 2
PPHS 529	(3)	Global Environmental Health and Burden of Disease

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.

11.124347 Doctor of Philosophy (Ph.D.) Epidemiology

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 (22 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
SOCI 545	(3)	Sociology of Population
SOCI 626	(3)	Demographic Methods

Complementary Courses (9 credits)

9 credits of coursework, at the 500 level or higher, with a minimum of 3 credits in biostatistics, 3 credits in epidemiology, and 3 credits from courses approved for the Population Dynamics Option from the list below:

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 525	(3)	Health Care Systems in Comparative Perspective
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 535	(3)	Sociology of the Family
SOCI 588	(3)	Biosociology/Biodemography

Courses must be chosen in consultation with the student's supervisor and/or the degree program's director or adviser.

11.124.35 Biostatistics

Biostatistics involves the development and application of statistical methods to scientific research in areas such as medicine, epidemiology, public health,

- mathematical statistics;
- causal inference;
- statistical methods for epidemiology;
- 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.

11.124351 Biostatistics Admission Requirements and Application Procedures

11.124351.1 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

	Application Opening Dates		Application Deadlines		
Fall Term:	Sept. 15	Dec. 1	Dec. 1	Dec. 1	April 30
Winter Term:	Feb. 15	N/A	N/A	N/A	Sept. 10
Summer Term:	N/A	N/A	N/A	N/A	N/A

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
 MA (4) Regression and Analysis of Variance

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

BIOS 700	(0)	Ph.D. Comprehensive Examination Part A
BIOS 701	(0)	Ph.D. Comprehensive Examination Part B
BIOS 702	(0)	Ph.D. Proposal

Complementary Courses (46 credits)

section 11.12.4.4.6: Master of Science, Applied (M.Sc.A.) Occupational Health (Non-Thesis) (Distance) (45 credits)

A three-and-a-half-year program completed mostly ov

M.Sc. Applied (Resident)

- Curriculum Vitae
- Personal Statement

M.Sc. Applied (Distance Education)

- Curriculum Vitae
- Personal Statement

Ph.D. Program

- Curriculum Vitae
- Personal Statement
- Research Proposal

11.1244.33 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 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.

	Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens	Canadian citizens/Perm. residents of Canada	Current McGill Students (any citizenship)	Special, Visiting & Exchange Students
Fall Term:	Sept. 15	Dec. 1	Dec. 1	Dec. 1	Apr. 30
Winter Term:	Feb. 15	N/A	N/A	N/A	Sept. 10
Summer Term:	N/A	N/A	N/A	N/A	N/A

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.

Occupational Hygiene

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.

12.5 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

12.6 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 important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

12.7 Fellowships, Awards, and Assistantships

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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. members ofg 1 81.693 496 Tm(i)TTm.9Lea

- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities;
- to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.

v. Some examples of 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;
- 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

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

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

Graduate Student Services and Information

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:

- 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

12.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 session as listed.

12.12.1 Schulich School of Music

12.12.1.1 Location

Schulich School of Music
Strathcona Music Building
555 Sherbrooke Street West
Montreal QC H3A 1E3
Telephone: 514-398-4469
Website: mcgill.ca/music

12.12.1.2 About Schulich School of Music

The Schulich School of Music of McGill University is internationally renowned for its leadership in combining professional conservatory-style musical training, humanities-based scholarship, and scientific-technological research at the highest levels. Its programs encourage musicians and music researchers alike to push boundaries and explore new possibilities. The School's facilities are a physical affirmation of our commitment and belief in the future of music, artists, creators, and researchers, and they encourage multimedia productions and trans-disciplinary collaborations. Among the most notable facilities are:

- a music library that houses one of the most important academic music collections in Canada;
- four concert halls;
- the Digital Composition Studio;
- sound recording studios;
- the [Centre for Interdisciplinary Research in Music, Media and Technology](#) (CIRMMT);
- as well as a research network that links the

The **Graduate Artist Diploma** in Performance is the uppermost diploma offered at the Schulich School of Music. It is tailored for artists wishing to achieve the highest level of artistry in their craft.

The **Doctor of Music degree (D.Mus.)** is offered in Composition and Performance Studies.

The **Doctor of Philosophy degree (Ph.D.)** is available in Composition, Music – Gender and Women’s Studies, Music Education, Musicology, Music Technology, Sound Recording, and Music Theory. Interdisciplinary studies are encouraged.

Funding

The Schulich School of Music has several sources of funding for graduate students.

Entrance Excellence Scholarships for highly ranked graduate students typically range in value from \$5,000 to \$20,000; some two- and three-year packages are available at the master's and doctoral levels, respectively (see mcgill.ca/gps/funding). A limited number of differential fee waivers are also av

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.

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.

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 program. For more information, see mcgill.ca/music/programs/ma-musicology.

section 12.12.1.26: Graduate Artist Diploma (Gr. Art. Dip.) Performance (30 credits)

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.

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 different compositional methods and technologies.

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.

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

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

Complementar

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.

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/w

Thesis Courses (24 credits)

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 (21 credits)

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

3-6 credits will be from the following:

MUTH 658	(3)	History of Music Theory 1
MUTH 659	(3)	History of Music Theory 2

0-6 credits from the following:

MUGS 684	(6)	Master's Thesis Research 2
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0-9 credits at the 600 level or higher, approved by the Schulich School of Music.

12.12.12 Master of Arts (M.A.) Music Theory (Thesis): Gender and Women's Studies (45 credits)

The M.A. in Music; Theory - Gender and Women's Studies focuses on issues centrally related to gender, sexuality, feminist theory, and/or women's studies. This program is offered in collaboration with the McGill Institute for Gender, Sexuality, and Feminist Studies that includes faculty and graduate students from across the University.

Students admitted to the M.A. in Music; Theory – Gender and Women's Studies who have undergraduate degrees other than the B.Mus.; Major in Theory from McGill University, may be required to successfully complete one or more undergraduate course(s) before completion of the Master's program.

Required Cour

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
MUSR 695	(3)	Techniques of Immersive Sound

12.12.14 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 degrees other than the B.Mus.; Major in Performance Piano from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree.

Students with a B.Mus.; Major in Performance Piano from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

Required Courses (23 credits)

2 credits (2 terms) of MUEN 584

MUEN 584	(1)	Studio Accompanying
MUGS 605	(0)	Graduate Performance Colloquium
MUPG 687	(1)	Collaborative Piano Repertoire 1: Song
MUPG 688	(1)	Collaborative Piano Repertoire 2: Instrumental
MUPG 689	(1)	Collaborative Piano Rep.3: Orch. Reduction, Opera, Oratorio

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
MUPG 653*	(9)	Opera Coach Project

* Students may take MUPG 653 or MUPG 600

** Students may take MUIN 622 or MUIN 622D1 and MUIN 622D2.

Complementary Courses (22 credits)

9 credits from the following:

MUPG 601*	(9)	Recital Project 2
MUPG 602	(6)	Recital Project 3
MUPG 605	(3)	Recording Project
MUPG 606	(3)	Interdisciplinary Project 1
MUPG 614	(3)	Quick Study
MUPG 653*	(9)	Opera Coach Project
MUPG 654	(6)	Opera Coach Performance

* Students may take either MUPG 653 (if not already taken) or MUPG 601 (if MUPG 600 not already taken).

3 credits from the following:

MUPG 590	(3)	Vocal Styles and Conventions
MUPG 691	(3)	Vocal Ornamentation
MUPP 690	(3)	Performance Practice Seminar 1
MUPP 691	(3)	Performance Practice Seminar 2
MUPP 692	(3)	Performance Practice Seminar 3

MUPP 693	(3)	Performance Practice Seminar 4
MUPP 694	(3)	Performance Practice Seminar 5
MUPP 695	(3)	Performance Practice Seminar 6

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.

12.12.15 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 Introduction to Research Methods in Music, 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 undergraduate degrees other than the B.Mus.; Major in Early Music Performance (Voice) or B.Mus.; Major in Early Music Performance (Baroque Violin, Viola, Cello, Viola da Gamba, Flute, Recorder, Oboe, Organ, Harpsichord and Early Brass Instruments) from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus.; Major Early Music Performance degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

Required Courses (21 credits)

MUEN 580*	(1)	Early Music Ensemble
MUGS 605	(0)	Graduate Performance Colloquium

* 3 credits (3 terms of)

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 (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 605	(3)	Recording Project
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

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 Introduction to Research Methods in Music 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 605	(3)	Recording Project
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
MUEN 560	(1)	Chamber Music Ensemble
MUEN 572	(2)	Cappella Antica
MUEN 579	(1)	Song Interpretation 2
MUEN 580	(1)	Early Music Ensemble
MUEN 593	(2)	Choral Ensembles
MUEN 654	(1)	Opera Repertoire Experience
MUEN 696	(1)	Opera Theatre

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, interpretive skills. The program combines performance with seminars in performance practice in the broader humanistic and scientific contexts of music and artistic research-creation.

Students admitted to the M.Mus. Performance; Orchestral Instruments, Guitar program who have undergraduate degrees other than the B.Mus.; Major Performance (Orchestral Instruments) or B.Mus. Major in Performance (Organ, Harpsichord, Guitar) from McGill University, may be required to successfully complete one or more undergraduate courses before completion of the Master's degree. Students with a B.Mus.; Major in Performance (Orchestral Instruments) or a B.Mus.; Major in Performance; (Organ, Harpsichord, Guitar) degree from McGill University may be required to successfully complete MUPD 560 Introduction to Research Methods in Music before completion of the Master's program.

Required Course

MUGS 605	(0)	Graduate Performance Colloquium
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Required Thesis Courses (18 credits)

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 (27 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 605	(3)	Recording Project
MUPG 606*	(3)	Interdisciplinary Project 1
MUPG 607*	(6)	Interdisciplinary Project 2
MUPG 608	(3)	Orchestral Repertoire Examination 1

MUPG 609	(6)	Orchestral Repertoire Examination 2
MUPG 610	(9)	Orchestral Repertoire Examination 3

* May take MUPG 606 or MUPG 607

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 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 Istoshoduc Stud1 258.043 641 0 0 1, Guitar 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.

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

MUPG 683	(1.5)	Piano Seminar 1
MUPG 684	(1.5)	Piano Seminar 2

Thesis Courses

MUIN 620	(3)	Performance Tutorial 1 Performance Tutorial 2
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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 University, may be required to successfully complete one or more undergraduate course(s) before completion of the doctoral program.

Details concerning the comprehensive examinations, thesis and academic regulations are available from the Graduate Studies Coordinator, Schulich School of Music or from the Music Graduate website at: <http://www.mcgill.ca/music/programs>.

Thesis

The thesis is a musical composition of major dimensions together with a written analysis of the work. The thesis must be defended in an oral examination.

Required Courses (12 credits)

MUCO 710	(0)	General Examinations
MUGS 701	(0)	Comprehensive Examinations

12 credits (two years) of:

MUCO 722D1	(3)	Doctoral Composition Tutorial
MUCO 722D2	(3)	Doctoral Composition Tutorial

Complementary Courses (12 credits)

12 credits of seminars at the 600 level or higher, approved by the Schulich School of Music.

Composition Performance

The candidate must present a concert of his/her compositions. With the permission of the Composition Area Committee, the compositions may be presented as parts of two or three concerts, or as a list of national and international performances since the student began his/her residency.

12.12.1.23 Doctor of Music (D.Mus.) Music: Performance Studies

A minimum of two years' residence is required beyond the M.Mus. in Performance, or its equivalent.

Details concerning the comprehensive examinations, composition performance, thesis and academic regulations are available from the Graduate Studies website (<http://www.mcgill.ca/music>).

Thesis

Recitals (36 credits)

MUPG 760	(12)	Doctoral Recital 1
MUPG 767	(12)	Doctoral Recital 2
MUPG 771	(12)	Doctoral Final Project

Required Courses (27 credits)

MUGS 701	(0)	Comprehensive Examinations
MUGS 711	(0)	Performance Doctoral Colloquium 1
MUGS 712	(0)	Performance Doctoral Colloquium 2
MUPD 650	(3)	Research Methods in Music

Performance Tutorials

one hour per week.

MUIN 720	(4)	D.Mus. Performance Tutorial 1
MUIN 721	(4)	D.Mus. Performance Tutorial 2
MUIN 722	(4)	D.Mus. Performance Tutorial 3
MUIN 723	(4)	D.Mus. Performance Tutorial 4
MUIN 724	(4)	D.Mus. Performance Tutorial 5
MUIN 725	(4)	D.Mus. Performance Tutorial 6

OR

one and a half (1.5) hours per week

MUIN 730	(6)	D.Mus. Performance Tutorial 8
MUIN 731	(6)	D.Mus. Performance Tutorial 9
MUIN 732	(6)	D.Mus. Performance Tutorial 10
MUIN 733	(6)	D.Mus. Performance Tutorial 11

Complementary Courses

9-17 credits

9 credits at the 500 level or higher, to be chosen from the Schulich School of Music's seminar offerings; 3 of the 9 credits may be replaced with a supervised special project approved by the advisory committee, departmental chair and the student.

MUIN 701	(2)	Doctoral Repertoire Coaching 2
MUIN 702	(2)	Doctoral Repertoire Coaching 3
MUIN 703	(2)	Doctoral Repertoire Coaching 4

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 seven different topic areas: Musicology, Music Theory, Music Technology, Music Education, Sound Recording, Composition, and Interdisciplinary Studies.

Students admitted to the Ph.D.; Music program who have a master's degree other than a master's degree in music from McGill University may be required to successfully complete one or more undergraduate courses before completion of the doctoral degree.

Details concerning the comprehensive examinations, thesis, and academic regulations are available from the Graduate Studies Coordinator, Schulich School of Music or from the Music Graduate website at: <http://www.mcgill.ca/music/programs>.

Thesis

A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to knowledge. It must show familiarity with previous work in the field and must demonstrate ability to plan and carry out research, organize results, and defend the approach and conclusions in a scholarly manner. The research presented must meet current standards of the discipline; as well, the thesis must clearly demonstrate how the research advances knowledge in the field. Finally, the thesis must be written in compliance with norms for academic and scholarly expression and for publication in the public domain.

Language Reading Requirements

No foreign-language reading examinations required in Sound Recording, Interdisciplinary Studies and Music Technology and Musicology.

Composition/Music Education/Music Theory

One foreign-language reading e

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 Artist Diploma (Gr. Art. Dip.) Performance (30 credits)

The Graduate Artist Diploma in Performance, a one-year program, focuses on the refinement of technique and master repertoire through intensive coaching, practice, and performance projects. Program requirements are flexible, with a 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)

MUIN 710	(8)	Graduate Artist Diploma Tutorial 1
MUIN 711	(8)	Graduate Artist Diploma Tutorial 2

Complementary Courses (14 credits)

8 credits from the following:

MUPG 740	(4)	Graduate Artist Diploma Performance Project 1
MUPG 741	(4)	Graduate Artist Diploma Performance Project 2
MUPG 742	(8)	Graduate Artist Diploma Performance Project 3
MUPG 743	(4)	Graduate Artist Diploma Interdisciplinary Project
MUPG 744	(4)	Graduate Artist Diploma Concerto Performance

0-3 credits from:

MUSR 692	(3)	Music Production Workshop
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* Required of all instruments except Voice.

3-6 credits from the following:

Performance courses with Schulich School of Music approval from the following lists:

3-6 credits from any ensemble courses with the prefix MUEN at the 500 or 600 level

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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MUIN 611	(1)	Vocal Coaching 2
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Piano

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

12.12.1.27 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)	Introduction to Research Methods in Music
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 follo

MUPG 590**	(3)	Vocal Styles and Conventions
Piano		
MUPG 670**	(2)	Advanced Continuo 1
MUPG 671**	(2)	Advanced Continuo 2
MUPG 683	(1.5)	Piano Seminar 1
MUPG 684	(1.5)	Piano Seminar 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

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 Schulich School of Music

Early Music/Harpsichord

MUPG 670**	(2)	Advanced Continuo 1
MUPG 671**	(2)	Advanced Continuo 2

Jazz

MUJZ 640**	(2)	Jazz Composition and Arranging 1
MUJZ 641**	(2)	Jazz Composition and Arranging 2

One 3-credit seminar starting with MUPG**

* Not open to Jazz students

** if not already taken

*** may be repeated with the permission of the instructor

12.12.1.29 Schulich School of Music Admission Requirements and Application Procedures 12.12.1.29.1 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.

Specific admission and document requirements for each program are outlined at 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.

Specific admission and document requirements for each program are outlined at 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. Specific admission and document requirements for each program are outlined at 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 con 67, where the

13 Ingram School of Nursing

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 mak

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.

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

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 important information regarding admissions and application procedures for Graduate and Postdoctoral Studies.

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 fellowships, awards, and assistantships in Graduate and Postdoctoral Studies.

13.8 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.

13.8.1 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.).

13.8.2 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)

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 Fello

- to ensure that each postdoc has a supervisor, lab and/or office space, access to research operating costs and necessary equipment;
- to include postdocs in departmental career and placement opportunities;
- to refer postdocs to the appropriate University policies and personnel for the resolution of conflict that may arise between a postdoc and a supervisor.

v. Some examples of 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;
- 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, 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;
- 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.

13.8.3 Vacation Policy for Postdocs

Please refer to the [section 1.2.9: Vacation Policy for Graduate Students and Postdocs](#).

13.8.4 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 under "Leave Policies and Form."

13.8.5 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)

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

Nurse applicants with a Master of Science degree in Nursing and with the required clinical experience are prepared to assume the nurse practitioner (NP) role through our Graduate Certificate and Graduate Diploma programs in five NP specialties (Adult Care, Neonatology, Mental Health, Primary Care and Pediatrics). The Graduate Certificate and Graduate Diploma programs develop in these students the necessary knowledge and skills to prepare for the Quebec Order of Nurses (OIIQ) (*Ordre des infirmières et infirmiers du Québec*) nurse practitioner professional licensing exam.

Doctoral Program

The Ph.D. program in Nursing is designed to prepare nurses for careers as researchers, academics and health care leaders who will develop the discipline of nursing through the advancement of nursing knowledge, practice and education.

section 13.12.1.5: Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis) (48 credits)

This is a two-year program. Part-time studies over three to five years are also an option for students. The core content of the Advanced Nursing major focuses on advanced practice nursing roles in diverse settings and with diverse populations. Content is organized based on Strength Based Nursing and focuses on such areas as family intervention, collaborative practice, and working with family strengths and resources. Through clinical courses, advanced clinical assessments and interventions emphasis is based on greater capacities to reflect purposefully and in-depth on their nursing practice. Students also engage in a systematic study of a clinically based nursing problem, which will disseminate knowledge relevant to clinical practice.

section 13.12.1.6: Master of Science, Applied (M.Sc.A.) Advanced Nursing (Non-Thesis): Global Health (48 credits)

This concentration focuses on the challenges of working with diverse populations in limited-resource environments, while stressing the importance of understanding the inherent power dynamics, equity issues and ethical dilemmas that arise through work. It is based on the belief that we have much to learn from one another. The (M.Sc.A.) Advanced Nursing (Non-Thesis); Global Health concentration provides student with global health content throughout their program of study, and students spend one semester taking clinical -and project-based courses in their final year in a global health placement site.

section 13.12.1.12: Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Neonatology (45 credits)

needs and problems of neonates and their families in a variety of settings. The nurse practitioner is expected to function at various levels in educating families/co-workers, consultation, liaison, and managerial skills. These areas are addressed within the curriculum.

section 13.12.1.13: Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Pediatrics (45 credits)

This concentration focuses on the multifaceted role of nurse practitioner in intermediate, acute, and critical care in neonatology. The nurse practitioner needs the necessary knowledge/understanding required to practice in a collaborative manner in providing services designed to deal with the health care needs and problems of neonates and their families in a variety of settings. The nurse practitioner is expected to function at various levels in educating families/co-workers, consultation, liaison, and managerial skills. These areas are addressed within the curriculum.

section 13.12.1.14: Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Primary Care (45 credits)

This concentration was developed in order to train graduate-level nurses to take on this advanced practice role. Primary Care Nurse Practitioners assume responsibility for tasks related to physical assessment, diagnosis, and treatment within legally sanctioned, pre-determined conditions that have traditionally been exclusive to medical practice. The Primary Care concentration focuses on a wide range of acute and chronic health concerns across the life span.

section 13.12.1.15: Graduate Certificate (Gr. Cert.) Adult Care Nurse Practitioner (21 credits)

The Graduate Certificate (Gr. Cert.) Nurse Practitioner: Adult Care is taken concurrently with the Graduate Diploma (Gr. Dip.) Nurse Practitioner: Adult Care by students entering the program with a Master's of Nursing. This course of study is designed to prepare students to assume the full scope of Adult Care Nurse Practitioner practice. Adult Care Nurse practitioners provide advanced practice, including advanced-practice nursing care to the adult population with complex acute, chronic or critical health issues, requiring secondary and tertiary line of care. The program is built on a foundation of Strengths-Based Nursing care of individuals, families, and communities.

section 13.12.1.16: Graduate Certificate (Gr. Cert.) Mental Health Nurse Practitioner (21 credits)

The Graduate Certificate in Mental Health Nurse Practitioner, in combination with the Graduate Diploma in Mental Health Nurse Practitioner, focuses on the competencies required to assume the advanced practice nursing role of the mental health nurse practitioner, including the assessment, diagnosis, care and treatment of mental illness in primary, secondary and tertiary care settings.

section 13.12.1.17: Graduate Certificate (Gr. Cert.) Primary Care Nurse Practitioner (15 credits)

The Graduate Certificate in Primary Care Nurse Practitioner is open to nurses who have previously completed a Master of Science in Nursing and is taken in combination with the Graduate Diploma in Primary Care Nurse Practitioner. This program focuses on a wide range of acute and chronic health concerns across the life span and includes activities related to assessment, diagnosis and treatment within the primary care nurse practitioner's legally sanctioned scope of practice. Graduates may be eligible to be a candidate for the Ordre des infirmières et infirmiers du Québec's Primary Care Nurse Practitioner certification examination.

section 13.12.1.18: Graduate Certificate (Gr. Cert.) Theory in Neonatology (15 credits)

This program of study is open to graduate-prepared nurses and focuses on the acquisition of advanced-level knowledge of the biomedical sciences that is required for NP (nurse practitioner) practice. The Graduate Certificate Theory and the Graduate Diploma Nurse Practitioner specialty programs cannot be taken concurrently.

section 13.12.1.19: Graduate Certificate (Gr. Cert.) Theory in Pediatrics (15 credits)

This program of study is open to graduate-prepared nurses and focuses on the acquisition of advanced-level knowledge of the biomedical sciences that is required for NP (nurse practitioner) practice. The Graduate Certificate Theory and the Graduate Diploma Nurse Practitioner specialty programs cannot be taken concurrently.

section 13.12.1.20: Graduate Diploma (Gr. Dip.) Adult Care Nurse Practitioner (30 credits)

The Graduate Diploma complements the Master of Science(Applied) in Nurse Practitioner; Non-Thesis - Adult Care concentration and fulfills the requirements for entry-to-practice as an Adult Care NP as per the Ordre des infirmières et infirmiers du Québec (OIIQ). The Graduate Diploma and the M.Sc.A. are taken concurrently by students entering the program with a Bachelor's Degree. Students entering the program already having completed a Master's in nursing degree take the Graduate Diploma and Graduate Certificate Nurse Practitioner - Adult Care concurrently.

section 13.12.1.21: Graduate Diploma (Gr. Dip.) Mental Health Nurse Practitioner (30 credits)

This diploma is open to graduates of the Mental Health Nurse Practitioner M.Sc.A. or the Mental Health Graduate Certificate. In this final step of preparation for taking on the Mental Health NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of psychology and the biomedical

section 13.12.1.21: Graduate Diploma (Gr. Dip.) Mental Health Nurse Practitioner (30 credits)

sciences through their application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the mental health nurse practitioner licensing exam.

section 13.12.1.22: Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits)

This diploma is open to graduates of the Neonatal Nurse Practitioner M.Sc.A. or the Neonatal Graduate Certificate. In this final step of preparation for taking on the Neonatal NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the neonatal nurse practitioner licensing exam.

section 13.12.1.23: Graduate Diploma (Gr. Dip.) Pediatric Nurse Practitioner (30 credits)

This diploma is open to graduates of the Pediatric Nurse Practitioner M.Sc.A. or the Pediatric Graduate Certificate. In this final step of preparation for taking on the Pediatric NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the pediatric nurse practitioner licensing exam.

section 13.12.1.24: Graduate Diploma (Gr. Dip.) Primary Care Nurse Practitioner (30 credits)

This diploma is open to graduates of the Primary Care Nurse Practitioner M.Sc.A. or the Primary Care Graduate Certificate. In this final step of preparation for taking on the Primary Care NP (nurse practitioner) role, students have the opportunity to consolidate their knowledge of the biomedical sciences through its application to clinical practice. Upon successful completion of the diploma, candidates will be eligible to write the primary care nurse practitioner licensing exam.

section 13.12.1.25: Doctor of Philosophy (Ph.D.) Nursing

The Ph.D. program focuses on the development of advanced skills in critical thinking, scholarly communication and the conduct of rigorous research related to the student's selected topic of inquiry. The program is open to nurses with either an undergraduate or graduate degree in Nursing, or students who have completed a 2-year master's program in Nursing or a related field.

13.12.1.3 Nursing Admission Requirements and Application Procedures

13.12.1.3.1 Admission Requirements

Proficiency in English

Nurse applicants to the master's program may complete their studies on a part-time basis (with the exception of those in Nurse Practitioner areas of study, where only the first year may be taken part-time, i.e. minimum of 3 credits per term to a maximum of 4 years, as well as M.Sc.A. - Nursing, which can only be completed on a full-time basis). 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 to the Nurse Practitioner programs must hold current and full licensure with the OIIQ.

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 or the United States.

All applicants to the nursing Masters of Science (Applied), Graduate Certificates, Graduate Diplomas and PH.D. programs should consult the [Ingram School of Nursing](#) website for more information on admission requirements and application processes.

Additional Admission Requirements (by Program)

Master's Nursing Program

M.Sc.A. - Nursing applicants must complete their Qualifying Year and the master's program of study on a full-time basis, i.e., a total of three years. The School considers admissions to this program for the Fall term only.

French Language Proficiency

In the clinical settings where much of our program delivery takes place, the ability to communicate proficiently in French is necessary to effectively learn and safely work with and support patients, families and healthcare teams. French is essential to the successful completion of this Nursing degree program. Candidates are encouraged to consult the Ingram School of Nursing website for more information on French Language Proficiency and for all admission requirements to the Qualifying Year, at: mcgill.ca/nursing/apply.

Upon successful completion of the Qualifying Year, candidates must apply to the Master's program. The applicant's undergraduate record must meet the minimum general requirements of Graduate and Postdoctoral Studies, which includes a minimum cumulative grade point average of 3.0 on a 4.0 scale, or a high "B" standing in undergraduate studies. Entering students normally hold an undergraduate degree in arts, humanities, science or social science disciplines because the program draws heavily on skills and knowledge typically developed in such areas.

Master's Advanced Nursing Program - all concentrations

Applicants to the master's degree must have completed a bachelor's degree in nursing with a minimum CGPA of 3.0 on a scale of 4.0. This preparation must be comparable to that offered in the bachelor's in nursing programs at McGill, which includes an Introductory Statistics course (3 credits).

Prospective applicants whose undergraduate degree differs from the McGill degree can use the Nurse Bachelor Assessment Form, published at mcgill.ca/nursing/apply/graduate-programs/masters-science-applied-non-thesis-advanced-nursing to self-assess their degrees. Once an application is submitted, this form is used by the Admissions Committee to assess equivalency of Bachelors' degrees.

Master's Nurse Practitioner Programs - all concentrations

Applicants to the Master of Science (Applied) Nurse Practitioner degree must have completed a bachelor's degree in nursing with a minimum CGPA of 3.0 on a scale of 4.0. This preparation must be comparable to that offered in the bachelor's in nursing programs at McGill, which includes an Introductory Statistics course (3 credits).

Prospective applicants whose undergraduate degree was not obtained at McGill, will need to have the biological sciences content (biology/physiology, pathophysiology, pathology, pharmacology) and the introductory statistics course equivalency to the McGill University B.Sc.(N.) assessed. The Nurse Bachelor Assessment Form must be completed, with the course descriptions included. A minimum of 3,360 hours of experience in nursing, including within the specialty, is required. Candidates are encouraged to consult the Ingram School of Nursing website for more information on the type of experience required for each concentration.

International applicants who have been licensed in another country must have worked as a registered nurse in the United States or Canada for at least one year, which will provide them with the necessary knowledge of the health care system required for advanced nursing studies.

Graduate Certificate in Nurse Practitioner - Mental Health, Primary Care, Pediatrics

Applicants must hold a M.Sc.A in nursing comparable to that of McGill University, with a minimum CGPA of 3.0 on a 4.0 scale required. Please note that the Graduate Certificate leads to the Graduate Diploma in the specialty area and is only open to students who have completed or are in the process of completing a Special Term. Prior to admission to the Graduate Certificate, applicants are required to have a minimum of 3,360 hours of nursing experience in Canada within the specialty area in the previous five years.

Applicants must complete the Graduate Diploma in the same concentration in order to qualify for the professional licensing exam.

Graduate Certificate in Nurse Practitioner - Neonatology

Applicants must hold a master's degree in nursing comparable to that of McGill University's, with a minimum CGPA of 3.0 on a 4.0 scale required. Prior to admission, applicants are required to have a minimum of 3,360 hours of nursing experience in Canada in the specialty area in the previous five years. Applicants will be required to complete the Graduate Diploma in the same concentration in order to qualify for the professional licensing exam.

Graduate Certificate Nurse Practitioner - Adult Care, Mental Health

Applicants will complete the M.Sc.A Nurse Practitioner or the Graduate Certificate Nurse Practitioner simultaneously with the Graduate Diploma in the same specialty.

Graduate Diplomas in Nurse Practitioner

For nurse applicants with a Bachelor degree in Nursing, an M.Sc.A Nurse Practitioner and a Graduate Diploma in an Nurse Practitioner ('NP') specialty must be completed to qualify for the professional licensing exam. For nurse applicants with a M.Sc.A. in Nursing, a Graduate Certificate and a Graduate Diploma in an NP specialty must be completed to qualify for the professional licensing exam.

The Graduate Diploma is only open to students who have completed or are in the process of completing McGill's M.Sc.A. Nurse Practitioner Program or the Graduate Certificate Nurse Practitioner Program. Prior to admission, applicants are required to have a minimum of 3,360 hours of nursing experience in Canada within the specialty area over the previous five years.

International students must obtain a current licensure from the OIIQ before submitting their application to any NP program specialty. Please note that in order to obtain a nursing license in Quebec, one must be proficient in French language. For more information regarding the OIIQ licensure eligibility criteria, please contact the OIIQ directly

- Students who are seropositive for Hepatitis B, C, or HIV and/or any other blood-borne pathogens have an obligation to notify their Program Director. These students are referred to the Blood-Borne Infection Risk Assessment Unit (*Service d'évaluation des risques de transmission d'infection hématogènes* [SERTIH]) of the *Québec Institut national de santé publique* responsible for all infected workers, including nursing students. The service will make recommendations regarding clinical placement based on the nature of the situation.
- Clinical courses that are offered during the Summer session may require that students study during the day, evening, night or weekend.
- Clinical agencies generally require students entering their facility to undergo a Criminal Reference Check prior to being granted permission to enter their facility.
- For more information on clinical requirements, see mcgill.ca/nursing/students/student-portal/clinical.

RN Licensure (Registration) to Practice

Graduates of an entry-to-practice program in nursing must seek licensure to practice on completion of the degree. The granting of a license to practice nursing and the right to be called a "Nurse – N" is a jurisdictional issue and varies from province to province within Canada, state to state in the United States, and country to country around the world.

NP Licensure (Registration) to Practice

Graduates of an entry to practice program in nurse practitioner must seek licensure to practice as a nurse practitioner upon completion of the degree. The granting of a license to practice as a nurse practitioner and the right to be called a "Nurse Practitioner – NP" is a jurisdictional issue which the professional order of Nurses determines and assigns. In Quebec, the licensure exam for NPs is a joint exam with the OIIQ and the *Collège des médecins du Québec*.

13.12.1.3.3 Application Procedures

McGill's online application for graduate program candidates is available at mcgill.ca/gradapplicants/apply.

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

For information on the application process as well as the supporting documents required in addition to the uApply online application, please visit the [Nursing website](#), then search for your program of study.

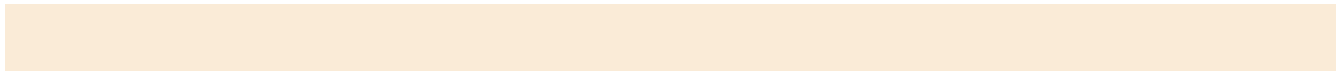
13.12.1.3.3.1 Additional Requirements

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

- Students who have not completed their studies in North America may be asked to arrange for an interview as part of the application process.
- GRE (Graduate Record Examination) general test results may be required in individual circumstances.

13.12.1.3.4 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the Ingram School of Nursing and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.



	Application Opening Dates		Application Deadlines	
<ul style="list-style-type: none"> M.Sc.A. Advanced Nursing part-time studies in Advanced Clinical Practice and Nursing Services Admin 				
Winter Term:	Feb. 15	Sept. 1	Nov. 1	Nov. 1
<ul style="list-style-type: none"> Ph.D. Nursing 				
Winter Term:	Feb. 15	N/A	Oct. 15	Oct. 15
<ul style="list-style-type: none"> Graduate Certificates in Pediatrics, and Primary Care (pending completion of Special Term in Fall) Graduate Certificate in Neonatology 				
Winter Term:	Feb. 15	N/A	Dec. 1	Dec. 1
<ul style="list-style-type: none"> Graduate Certificate, and Graduate Diploma in Nurse Practitioner - Adult Care, Mental Health 				
			Feb. 15	Feb. 15

B.Sc.(N.) Program Director, Ingram School of Nursing

Lia Sanzone

B.Sc.(N.) Assistant Program Director, Ingram School of Nursing

Amanda Cervantes

Master's (NE) Program Director, Ingram School of Nursing

Jodi Tuck

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

Pr

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 Tardif, Gillian Taylor, Claire Thibault, Kelly Thorstad, Lucie Tremblay, Antoinetta Vitale, Lucy Wardell

Adjunct Professors

Bruce Gottlieb, Manon Lacroix, David Wright

Associate Members

Rhonda Amsel, S. Robin Cohen, Jae-Marie Ferdinand, Richard Gosselin, Ronald D. Gottesman, John C. Kirk

Affiliate Members

Jo

NUR2 610	(3)	Ambulatory/Community Care
NUR2 611	(3)	Policy Leadership in Nursing
NUR2 612	(3)	Research Methods in Nursing 1
NUR2 616	(4)	Advanced Clinical Skills
NUR2 619	(1)	Nursing Clinical Skills Laboratory 4
NUR2 621	(2)	Wound Care 2
NUR2 623	(3)	Clinical Assessment and Therapeutics 1
NUR2 626	(3)	Professional Issues in Nursing
NUR2 630	(3)	Clinical Project 1
NUR2 631	(6)	Clinical Project 2
NUR2 632	(3)	Clinical Project 3
NUR2 634	(3)	Clinical Assessment and Therapeutics 2
NUR2 637	(3)	Clinical Nursing Specialization
NUR2 638	(3)	Nursing in Critical Care
NUR2 640	(3)	Clinical Reasoning
NUR2 642	(3)	Ethics in Advanced Practice

13.12.1.9 Master of Science, Applied (M.Sc.A.) Nursing (Non-Thesis): Global Health (48 credits)

This concentration prepares students for the challenges of working with diverse populations in limited-resource environments, while stressing the importance of understanding the inherent power dynamics, equity issues, and ethical dilemmas that arise through this work. It is based on a belief that we have much to learn from one another. The (M.Sc.A.); Nursing (Non-Thesis) - Global Health provides students with global health content throughout their program of study, and students spend one semester taking clinical- and project-based courses in their final year in a global health placement site. This concentration is supported by the Global Health Committee of the Ingram School of Nursing. Students in the Direct Entry concentration 077 425sakin

13.12.1.10 Master of Science, Applied (M.Sc.A.) Nurse Practitioner (Non-Thesis): Adult Care (45 credits)

The Master of Science(Applied) in Nurse Practitioner; Non-Thesis - Adult Care is open to Bachelor's prepared nurses and is taken concurrently with the Graduate Diploma in Nurse Practitioner - Adult Care. This course of study is designed to prepare students to assume the full scope of Adult Care Nurse Practitioner practice. Adult Care Nurse practitioners provide advanced-practice nursing care (including performing assessments, forming medical impressions, providing treatments, and ensuring continuity of care) to the adult population with complex acute, chronic or critical health issues, requiring secondary and tertiary line of care. The program is built on a foundation of Strengths-Based Nursing care of individuals, families and communities.

Required Courses (45 credits)

NUR2 515	(3)	Applied Statistics for Nursing
NUR2 608	(3)	Seminar in Nursing
		Polic

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 644	(3)	Pharmacology for Neonatal Nurse Practitioners
NUR2 660	(6)	Reasoning in Neonatology 1
NUR2 661	(6)	Reasoning in Neonatology 2
NUR2 662	(3)	Reasoning in Neonatology 3
NUR2 664	(3)	Neonatal Health Assessment

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
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NUR2 667	(3)	Health and Physical Assessment in Primary Care 1
NUR2 668	(3)	Health and Physical Assessment in Primary Care 2

13.12.1.18 Graduate Certificate (Gr. Cert.) Theory in Neonatology (15 credits)

Required Courses (15 credits)

(6)	Reasoning in Neonatology 1
-----	----------------------------

NUR2 693

(4)

Reasoning in Mental Health 4

13.12.1.22 Graduate Diploma (Gr. Dip.) Neonatal Nurse Practitioner (30 credits)

Required Cour

NUR2 730 (3) Theory Development in Nursing

Complementary Courses

Selected courses at the 500 level or above.

Note: A minimum of 9 credits in advanced statistics, substantive, or complementary courses are planned with the thesis supervisor.

14 School of Physical and Occupational Therapy

14.1 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

14.2 Graduate and Postdoctoral Studies

14.2.1 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)

14.2.2 Location

James Administration Building, Room 400

845 Sherbrooke Street West

Montreal QC H3A 0G4

Website: mcgill.ca/gps



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

14.2.3 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.

14.3 Important Dates

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

14.4 Graduate Studies at a Glance

Please refer to [University Regulations & Resources](#)

14.8.2 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), 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 Uni

i. Postdocs are subject to the responsibilities outlined at mcgill.ca/students/srr and must abide by the policies listed at 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:

- 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;
- to refer postdocs to the appropriate Univ

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 proficiencies of official 0 1Tj1 0 0 1 108.oste indiAn f.007 651 TmgyEe1.18m(Ab97.256 517.561 28m(Ab2r 0 0 1 108.Tmm(

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

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
- 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

14.12 Becoming a Licensed Occupational or Physical Therapist

The Undergraduate programs in Physical & Occupational Therapy provide information on how to become a licensed occupational or physical therapist. For more information, contact the program coordinators at (541) 863-6340 or visit the program websites at [http://www.uoregon.edu/occupationaltherapy](#) and [http://www.uoregon.edu/physicaltherapy](#).

14.12.3 Professional Organizations

Canadian National Offices

Canadian Association of Occupational Therapists
100-34 Colonnade Road
Ottawa ON K2E 7J6
Telephone: 613-523-CA03-523-CA

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 .

Student Evaluation and Promotion MSc(A) OT and MSc(A) PT.

Academic matters are the jurisdiction of the Occupational Therap

Promotion Period 2 M1 Fall September -December

Promotion Period 3 M1 Winter January-April

Promotion Period 4 M2 Fall - program completion (includes summer research project)

Failure Policy, Withdrawal, or Dismissal from the School of Physical & Occupational Therapy

When a student has failed one course, or one or more course components, or has been found to have been engaged in unethical or inappropriate conduct (i. e. unprofessional behaviour), the OTPRC or the PTPRC will automatically review the student's entire academic record and general performance.

A student will be withdrawn from the University, if the student fails two courses (i. e. two different courses, one failed course plus a failed repeat of the same course or one failed course and a failed supplemental exam for that course). The student's transcript will thereafter indicate that the student was withdrawn from the University.

Failing a course in a Qualifying Year is equivalent to failing a course in a graduate program, and counts as a first failed course if a student is subsequently admitted to a graduate program in a related field. For full details, refer to the [Graduate Studies Failure Policy Failure Policy / eCalendar - McGill University](#).

Academic offences such as plagiarism and cheating on examinations and unethical or inappropriate conduct are considered serious offences which could lead to dismissal from the program.

A student who engages in criminal activity and/or who is found guilty of having violated the criminal code will have their dossier referred to the OTPRC or the PTPRC; this may be considered evidence of unsuitability for the practice of occupational therapy or physical therapy and grounds for dismissal from the program.


The School has the right to dismiss, at any time, any student who is considered incompetent and/or unsuitable for the practice of occupational therapy or physical therapy.

14.13.2 Examinations

General Information

Please refer to the [University Student Assessment Policy Exams / Graduate and Postdoctoral Studies - McGill University](#) as well to the Rules and Regulations document at [Occupational Therapy Master of Science \(Applied\) in Occupational Therapy / School of Physical & Occupational Therapy - McGill University](#) and [Physical Therapy Master of Science \(Applied\) in Physical Therapy / School of Physical & Occupational](#)

Fax: 514-398-6360
Email: *see below*
Website: mcgill.ca/spot



section 14.14.1.7: Master of Science (M.Sc.) Rehabilitation Science (Non-Thesis) (45 credits)

program trains health professionals to become consumers of research in order to promote evidence-based practice in rehabilitation science. The curriculum is made up of both required and elective courses and may also include a research project.

section 14.14.1.8: Master of Science, Applied (M.Sc.A.PT.) Physical Therapy (Non-Thesis) (63 credits)

The Master of Science, Applied, in Physical Therapy program is to be completed in 1.5 graduate years over five semesters, and includes four clinical practica of 1,050 hours in total, leading to professional licensure to practice. The educational approach is consistent with adult learning, self-directed learning, reflective clinical practice, and inter-professionalism. Strong links between academic and clinical fieldw

Valid CPR/AED Level (Health Care Provider) certification or equivalent is required prior to going into any of the clinical affiliation placements and must be maintained throughout the professional Master's program.

Vaccinations

Prior to starting their first clinical course, students registered in a health care program will need to ensure that they have completed all required series of immunisations prior to being placed in a clinical setting. We recommend starting the process as soon as possible as some vaccines may require you to follow immunisation schedules that last several months. Students must upload their immunization file to the Wellness portal in September of their U3 or Qualifying Year. Once their file is reviewed by the Wellness Hub, it can take several months for students to complete missing vaccinations. All vaccination requirements must be complete by March 1 of the U3 or Qualifying Y

See [University Regulations & Resources](#) > [Graduate](#) > [Graduate Admissions and Application Procedures](#) > [section 1.4.3: Application Procedures](#) for detailed application procedures.

14.14.1.42.1 Additional Requirements

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

- Curriculum vitae
- **GRE** – recommended for M.Sc. in Rehabilitation Science (Thesis and Non-Thesis) and Ph.D. in Rehabilitation Science for applicants who do not have a B.Sc., or equivalent, from a Canadian university, or those who have been out of university for five years or more. Only the GRE General Test is required.
- Two years of clinical experience – recommended for M.Sc. in Rehabilitation Science (Non-Thesis).

14.14.1.43 Application Dates and Deadlines

Application opening dates are set by Enrolment Services in consultation with Graduate and Postdoctoral Studies (GPS), while application deadlines are set by the School of Physical & Occupational Therapy and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

MSc(A) OT and MSc(A) PT, and Qualifying Year MSc(A)				
	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term: (*Qualifying Year for the MSc(A) OT or MSc(A) PT only)	Sept. 15*	Jan. 15*	Feb. 11*	Feb. 11*
Winter Term:	N/A	N/A	N/A	N/A
Summer Term: (** MSc(A) OT and MSc(A) PT only)	Sept. 15**	Jan. 15**	Jan 15**	Jan 15**

MSc and PhD Rehabilitation Science				
	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Jan. 31	Jan. 31	Jan. 31
Winter Term:	N/A	N/A	N/A	N/A
Summer Term:	N/A	N/A	N/A	N/A

Graduate Certificate in Chronic Pain Management				
	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	May 1	June 1	June 1
Winter Term:	Feb. 1	Sept. 10	Oct. 15	Oct. 15
Summer Term:	N/A	N/A	N/A	N/A

Graduate Certificate in Driving Rehabilitation				
	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)

POTH 697	(6)	Thesis Research 1
POTH 698	(9)	Thesis Research 2
POTH 699	(12)	Thesis Research 3

Required Courses (10 credits)

POTH 609	(3)	Qualitative Research in Rehabilitation Science
POTH 610	(4)	Research Methodology
POTH 614	(3)	Selected Topics in Rehabilitation Science
POTH 617	(0)	Knowledge Synthesis in Rehabilitation Seminar

Complementary Courses (3 credits)

3 credits of the following:

POTH 628	(3)	Introduction to Regression Analysis
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Or 3 credits of advanced qualitative methodology chosen from courses offered by the School at the 500, 600, or 700 level in consultation with the Graduate Program Director.

Elective Course (3 credits)

3 credits that pertain to the student's area of specialization: to be chosen from the School course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

14.14.1.7 Master of Science (M.Sc.) Rehabilitation Science (Non-Thesis) (45 credits)

The M.Sc. in Rehabilitation Science: Non-Thesis program focuses on evidence-based practice in rehabilitation science. The program provides exposure to methodologies for knowledge synthesis and for designing a research study in rehabilitation, and practical e

IPEA 502	(0)	Patient-Centred Care in Action
IPEA 503.8sPO	(0)	Managing Interprofessional Conflict
PHTH 571	(7)	PT Clinical Practicum 1
PHTH 572	(7)	PT Clinical Practicum 2
PHTH 573	(8)	PT Clinical Practicum 3
PHTH 606	(2)	Introduction to Pediatric Physical Therapy
PHTH 620	(7)	PT Clinical Practicum 4
PHTH 622	(3)	Integrated Pain Management
PHTH 623	(4)	Differential Diagnosis and Management
PHTH 652	(3)	Integrated Clinical Exercise Rehabilitation
POTH 602	(3)	Advanced Educational and Management Strategies
POTH 612	(4)	Applied Clinical Research Methods
POTH 624	(7)	Master's Project
POTH 682	(2)	Promoting Healthy Activity

Complementary Courses (6 credits)

6 credits from the following:

PHTH 641	(3)	Topics in Cardiorespiratory Rehabilitation
PHTH 645	(3)	Pelvic Floor Rehabilitation
PHTH 661	(3)	Sport Physiotherapy
PHTH 662	(3)	Advanced Manual Therapy
POTH 508	(3)	Plasticity in Rehabilitation
POTH 604	(3)	Current Topics in Pediatrics
POTH 625D1*	(1.5)	Design of Assistive Technologies: Principles
POTH 625D2*	(1.5)	Design of Assistive Technologies: Principles
POTH 636	(3)	Physical Therapy in Pediatrics
POTH 637	(3)	Cancer Rehabilitation
POTH 639	(3)	Motor Control
POTH 685	(3)	Perception and Action

* Students must take both POTH 625D1 and 625D2

NOTE: Interprofessional Education Activiti1 0 02prTj1 0 1 0 0 1 70.52

Required Courses (13 credits)

POTH 609	(3)	Qualitative Research in Rehabilitation Science
POTH 610	(4)	Research Methodology
POTH 614	(3)	Selected Topics in Rehabilitation Science
POTH 631	(3)	Research Proposal
POTH 701	(0)	Ph.D. Comprehensive

Complementary Course (6 credits)

One of the following courses:

POTH 620	(3)	Measurement: Rehabilitation 1
POTH 630	(3)	Measurement: Rehabilitation 2

Or 3 credits of advanced qualitative methodology to be chosen from the School course offerings or other courses at the 500, 600, or 700 level with permission from the Graduate Program Director.

3 credits from the following:

POTH 628	(3)	Introduction to Regression Analysis
----------	-----	-------------------------------------

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.

14.14.11 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)

POTH 673	(3)	Screening for at Risk Drivers
POTH 674	(3)	Assessing Driving Ability 1
POTH 675	(3)	Driving Assessment Practicum
POTH 676	(3)	Adaptive Equipment and Driving
POTH 677	(3)	Retraining Driving Skills

Note: POTH 673 and 674 are offered online, whereas POTH 675, POTH 676, and POTH 677 have both online components and intensive workshops.

14.14.12 Graduate Certificate (Gr. Cert.) Chronic Pain Management (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/chronic-pain-management>.

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POTH 665	(3)	Interdisciplinary Management of Chronic Pain
POTH 666	(3)	Common Clinical Pain Syndromes

Complementary Courses (3 credits)

One of:

POTH 603	(3)	Directed Practicum
POTH 618	(3)	Topics in Rehabilitation

or another 500-level or higher course (online or not) from a different university, as approved by the Graduate Certificate Program Chair.

NOTE: POTH 603 and POTH 618 are not online courses. They are directed tutorial courses that need pre-approval from the Graduate Certificate Program Chair. Students are encouraged to plan such courses with the instructor at least one semester before intended enrolment. For a complementary course at a different university, consult university regulation and resources for further information on transfer credits prior to enrolment.

15 Faculty of Science

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

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**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.

15.3 Important Dates

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

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.

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
-

15.6 Graduate Admissions and Application Procedures

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

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

15.8.2 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), 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](#)

5. Responsibilities

- i. Postdocs are subject to the responsibilities outlined at mcgill.ca/students/srr and must abide by the policies listed at mcgill.ca/secretariat/policies-and-r

15.8.5 Postdoctoral Research Trainees

Eligibility

If your situation does not conform to the Gov

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

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

15.12 Browse Academic Units & Programs

The programs and courses in the following sections have been approved for the 2022–2023 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 945
Montreal QC H3A 0B9
Canada
Telephone: 514-398-3764
Fax: 514-398-6115
Email: info.aos@mcgill.ca; graduate studies: graduateinfo.aos@mcgill.ca
Website: 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;
- remote sensing of weather and climate.

Some faculty members hav

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 (AT

ATOC 700	(1)	Ph.D. Proposal Seminar
ATOC 701	(0)	Ph.D. Comprehensive (General)

Complementary Courses (7 credits)

Students are required to take ATOC 751D1 and ATOC 751D2 OR ATOC 752D1 and ATOC 752D2.

1 credit from:

ATOC 751D1	(.5)	Seminar: Physical Meteorology
ATOC 751D2	(.5)	Seminar: Physical Meteorology
ATOC 752D1	(.5)	Atmospheric, Oceanic and Climate Dynamics
ATOC 752D2	(.5)	Atmospheric, Oceanic and Climate Dynamics

And 6 credits from the Department of Atmospheric and Oceanic Sciences, at the 500 or 600 level, as approved by the Graduate Program Director.

15.12.1.7 Doctor of Philosophy (Ph.D.) Atmospheric and Oceanic Sciences: Environment

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
ATOC 701	(0)	Ph.D. Comprehensive (General)
ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability

Complementary Courses (13 credits)

Students are required to take ATOC 751D1 and ATOC 751D2 OR ATOC 752D1 and ATOC 752D2.

1 credit from:

ATOC 751D1	(.5)	Seminar: Physical Meteorology
ATOC 751D2	(.5)	Seminar: Physical Meteorology
ATOC 752D1	(.5)	Atmospheric, Oceanic and Climate Dynamics
ATOC 752D2	(.5)	Atmospheric, Oceanic and Climate Dynamics

6 credits from the Department of Atmospheric and Oceanic Sciences, at the 500 level or higher, as approved by the department Graduate Program Director.

3-6 credits from:

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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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.

15.12.2 Biology

15.12.2.1 Location

Department of Biology
Stewart Biological Sciences Building
1205 Dr. Penfield Avenue
Montreal QC H3A 1B1
T

section 15.12.2.5: Master of Science (M.Sc.) Biology (Thesis) (45 credits)

(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.

Incoming graduate students will have a strong background in the biological sciences, often with specific strengths in their proposed area of study. To encourage interdisciplinary work, the program may also accept students with a high scholastic standing in fields other than biology (medicine, engineering, chemistry, physics, etc.). Alumni have gone on to pursue a wide range of careers in academia and beyond, including as researchers in industry, wildlife biologists, forensic technologists, or science policy advisors, to name a few.

section 15.12.2.6: Master of Science (M.Sc.) Biology (Thesis): Environment (45 credits)

The M.Sc. in Biology; *Environment option* is a research program offered in collaboration with the *Bieler School of Environment (BSE)*. As a complement to the unit's expertise, the program considers how various dimensions (scientific, social, legal, ethical) interact to define environment and sustainability issues. Students learn to explain and defend their research and thinking in a broader context and understand how knowledge is transferred into action with regard to the environment and sustainability.

section 15.12.2.7: Master of Science (M.Sc.) Biology (Thesis): Neotropical Environment (45 credits)

The McGill-Smithsonian Tropical Research Institute (STRI) *Neotropical Environment Option*

Canadian institution (anglophone or francophone). A score of 86 on the TOEFL Internet-based test (iBT) with each component score not less than 20, or 6.5 on *IELTS* is the minimum standard for admission.

15.12.2.3.2 Application Procedures

McGill's online application form for graduate program candidates is available at mcgill.ca/gradapplicants/apply. All applicants should consult *Biology > Graduate Studies > How to Apply* page of the Biology Department's website before completing the application form for departmental information on the

Associate Members

BioEngineering: Adam Hendricks

Centre for Research in Neuroscience: Donald Van Meyel

Glen site: Hugh J. Clarke, Daniel Dufort, David Rosenblatt, Teruko Taketo

MNI: Kenneth Hastings

Physics: Paul Francois

Redpath Museum: Rowan Barrett, David Green, Hans Larsson, Virginie Millien, Anthony Ricciardi

Adjunct Professors

BELLUS Health Inc.: Francesco Bellini

Canadian Mountain Network: Norma Kassi

IRCM: David Hipfner

STRI: Hector Guzman, William Owen McMillan, Rachel Page, Mark Torchin

Univ. of British Columbia: Jonathan Davies

Univ. of the West Indies: Henri Valles

15.12.2.5 Master of Science (M.Sc.) Biology (Thesis) (45 credits)

The Master of Science in Biology is a research-focused program that encompasses a diverse range of topics in biology, from molecules and cells to organisms and ecosystems, including development, behaviour and evolution. Research themes include: (1) molecular, cellular and developmental biology

ENVR 615 (3) Interdisciplinary Approach Environment and Sustainability

Complementary Courses (6 credits)

3-6 credits, one of the following courses:

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.

15.12.2.7 Master of Science (M.Sc.) Biology (Thesis): Neotropical Environment (45 credits)

The McGill-STRI Neotropical Environment Option (NEO) is a research-based option for Masters students in the departments of Anthropology, Biology, Bioresource Engineering, Geography, Natural Resource Sciences, Plant Science, and Political Science at McGill University. NEO is aimed at students who wish to focus their graduate research on environmental issues relevant to the Neotropics and Latin American countries. NEO favors interdisciplinary approaches to research and learning through the participation of researchers from McGill and from STRI. Students will complete their research in Latin America and NEO's core and complementary courses will be taught in Panama. NEO's educational approach seeks to facilitate a broader understanding of tropical environmental issues and the development of skills relevant to working in the tropics.

Whether applying to a Master or a PhD, students are expected to meet all the degree requirements of the department in which they are registered. In addition, NEO students will have to meet the specific requirements of the option.

Thesis Courses (36 credits)

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. 1 3e wr4.r1 492.278

BIOL 700

(0)

Doctoral Qualifying Examination

Required Courses (12 credits)

BIOL 640	(3)	Tropical Biology and Conservation
BIOL 700	(0)	Doctoral Qualifying Examination
BIOL 702	(6)	Ph.D. Seminar
ENVR 610	(3)	Foundations of Environmental Policy

Elective Courses (3 credits)

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

15.12.3 Chemistry

15.12.3.1 Location

Department of Chemistry
Otto Maass Chemistry Building
801 Sherbrooke Street West
Montreal QC H3A 0B8
Canada
Telephone: 514-398-6999
Fax: 514-398-3797
Email: graduate.chemistry@mcgill.ca
Website: 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 318.703 T models of th 67.52 377.0 318. 67.n(Email:)Tj0 Db.103 Tu

just described, as well as in transport and structure in complex colloidal or zeolite systems, protein dynamics, and fundamental issues in quantum and statistical mechanics.

Materials Chemistry

The chemistry of materials is a rapidly evolving domain of research. Materials chemistry seeks to understand how composition, reactivity, and structure are related to function from a molecular perspective. The functionality of materials is expressed in a variety of areas including photonics, micro- and nano-electronics, biosystems, nanotechnology, drug delivery, catalysis, polymer science, molecular biology, and chemical and biological sensing. Activities of the Materials Chemistry Thematic Research Group are often broadly interdisciplinary. University-wide synergies among members of this group have led to the creation of the [McGill Institute for Advanced Materials](#) (MIAM) and the [McGill Nanotools Facility](#). The latter comprises state-of-the-art **micro/nanofabrication**, atomic manipulation and high-performance computing facilities. MIAM and members of the Chemistry Department have established research links to the [Quebec Centre for Advanced Materials](#), the Centre for Biorecognition and Biosensors, the [Centre for the Physics of Materials](#), and the [Centre for Bone and Periodontal Research](#). Synthetic approaches to new materials include research in dendrimers, polynucleic acid architectures, polymers that conduct electrons or light and biopolymers. Polymer and colloid science figure prominently as does research and applications of the chemistry and physical properties of nanostructures. There is significant activity in understanding directed molecular assembly at interfaces and in the application of sophisticated spectroscopic tools to explore them.

Synthesis/Catalysis

The Synthesis/Catalysis Research Activity Group is a collective that develops state-of-art catalysts, synthetic methodologies, reaction mechanisms, and synthetic routes for org

		Application Opening Dates		Application Deadlines	
		All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Dec. 31	June 15	June 15	
Winter Term:	Feb. 15	April 30	Sept. 1	Sept. 1	
Summer Term:	N/A	N/A	N/A	N/A	

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



Note: Applications for Summer term admission will not be considered.

All inquiries concerning graduate work in the Department should be addressed to the Director of Graduate Studies, Department of Chemistry.

15.12.3.4 Chemistry Faculty

Chair

D. Perepichka

Director of Graduate Studies

N. Moitessier

Emeritus Professors

T.H. Chan; A. Eisenberg; B.C. Eu; D.G. Gray; E.D. Salin; M.A. Whitehead.

Professors

M.P. Andrews; P. Ariya; B.A. Arndtsen; K. Auclair; C.J. Barrett; D.S. Bohle; I.S. Butler; G. Cosa; M.J. Damha; T. Friš i ; D.N. Harpp; A. Kakkar; R.B. Lennox; C.J. Li; N. Luedtke; J. Mauzeroll; N. Moitessier; D. Perepichka; H. Sleiman; J.L. Gleason; Y.S. Tsantrizos; T.G.M. van de Ven; P. Wiseman; A. Moores.

Associate Professors

A.S. Blum; P. Kambhampati; J.-P. Lumb; A. Mittermaier; T. Preston; M. Harrington; L. Reven; B. Siwick.

Assistant Professors

R. Khaliullin; E. McCalla; M. McKeague; M.A. Légaré; C.J. Thibodeaux; L. Simine.

Adjunct Professors

I. Wharf; E. Lam.

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)

its)

research grants; in the case of scholarship students, this typically takes the form of a 'top-up' to the scholarship. Research in the School covers a broad range of areas, including:

- Curriculum Vitae – required for both M.Sc. and Ph.D. programs
- Statement of Purpose – required for both M.Sc. and Ph.D. programs
- *Graduate Record Examination* (GRE General Test) – optional for M.Sc. required for degrees from outside Canada. Optional for Ph.D. program.

For further details, consult the [School of Computer Science's website](#).

15.124.33 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 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.

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	N/A	Dec. 15 (Int'l) and Feb. 15 (Canadian)	Dec. 15 (Int'l) and Feb. 15 (Canadian)
Winter T	Feb. 15*	Sept. 1*	Sept. 1*	Sept. 1*

Adjunct Professors

S. Andrews, D. Bahdanaum, M.G. Bellemare, X. Chen, F. Diaz, K. Dziugaite, G. Grant, W. Hamilton, S.E. Kahou, T. Kuo, A. Louis, I. Rekleitis, B. Shepherd, A.R. Soriano, A. Szantner, D. Tarlow, A. Trischler

15.12.4.5 Master of Science (M.Sc.) Computer Science (Thesis) (45 credits)

Thesis Courses (29 credits)

29 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 (2 credits)

COMP 602	(1)	Computer Science Seminar 1
COMP 603	(1)	Computer Science Seminar 2

Complementary Courses (14 credits)

14 credits of COMP (or approved) courses at the 500-, 600-, or 700-level.

Complementary courses must satisfy a Computer Science breadth requirement, with at least one course in two of the Theory, Systems, and Application areas. Areas covered by specific courses are determined by the Computer Science graduate program director.

Category A: Theory

COMP 523	(3)	Language-based Security
COMP 525	(3)	Formal Verification
COMP 527	(3)	Logic and Computation
COMP 531	(3)	Advanced Theory of Computation
COMP 540	(4)	Matrix Computations
COMP 547	(4)	Cryptography and Data Security
		Combinatorial Optimization, wLogGam the Theory

Advanced T

Theor 1

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

Computer Ne 310.419 648.82321.949 633i 0 1 252v

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)**Research Project (15 credits)**

15 credits selected as follows:

COMP 693	(3)	Research Project 1
COMP 694	(6)	Research Project 2
COMP 695	(6)	Research Project 3

Required Courses (2 credits)

COMP 602	(1)	Computer Science Seminar 1
COMP 603	(1)	Computer Science Seminar 2

Complementary Courses (28 credits)

28 credits of COMP (or approved) courses at the 500, 600, or 700 level.

Complementary courses must satisfy a Computer Science breadth requirement, with at least one course in two of the Theory, Systems, and Application areas. Areas covered by specific courses are determined by the Computer Science graduate program director.

Category A: Theory

COMP 523	(3)	Language-based Security
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COMP 525	(3)	Formal Verification
COMP 527	(3)	Logic and Computation
COMP 531	(3)	Advanced Theory of Computation
COMP 540	(4)	Matrix Computations
COMP 547	(4)	Cryptography and Data Security
COMP 552	(4)	Combinatorial Optimization
COMP 553	(4)	Algorithmic Game Theory
COMP 554	(4)	Approximation Algorithms
COMP 562	(4)	Theory of Machine Learning
COMP 566	(3)	Discrete Optimization 1
COMP 567	(3)	Discrete Optimization 2
COMP 610	(4)	Information Structures 1
COMP 611	(4)	Mathematical Tools for Computer Science
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 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
COMP 764	(4)	Advanced Topics Systems 1
COMP 765	(4)	Advanced Topics Systems 2

Category C: Applications

COMP 514	(4)	Applied Robotics
COMP 521	(4)	Modern Computer Games
COMP 546	(4)	Computational Perception
COMP 549	(3)	Brain-Inspired Artificial Intelligence
COMP 550	(3)	Natural Language Processing
COMP 551	(4)	Applied Machine Learning

COMP 555	(4)	Software Privacy
COMP 557	(4)	Fundamentals of Computer Graphics
COMP 558	(4)	Fundamentals of Computer Vision
COMP 559	(4)	Fundamentals of Computer Animation
		Computational Biology Methods and Research

(4)

Advanced Topics Systems 2

- 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
- wetland hydrogeology;
- interactions between the cryosphere, solid Earth, and climate systems;
- planetary-scale ocean biogeochemistry (e.g., ocean acidification) and its relationship to global warming.

There is a very substantial interdisciplinary basis to much of the research.

Facilities in the Department include low-temperature and pressure to high-temperature and pressure experimental laboratories, a stable-isotope mass spectrometer, laser-ablation ICP-MS, and electron microprobe, as well as atomic absorption spectrometers. Our students also make substantial use of other facilities at McGill and at nearby *Université du Québec à Montréal*.

Financial assistance is available in the form of teaching assistantships, research assistantships, and scholarships.

Areas of Research :

Aquatic Geochemistry

Application of chemical thermodynamics, kinetics, and surface chemistry to the characterization of mineral-solution interactions in aquatic environments; carbonate geochemistry; early diagenesis of marine and coastal sediments; trace metal and environmental geochemistry in freshwater and marine systems.

Biogeochemistry

Response of the marine ecosystem to climate change and anthropogenic stresses through observations of the modern ocean, and experimental and numerical simulations of ocean biogeochemistry. Reconstructions of past climate change using sediments from lacustrine, coastal, and marine sediments. The processes controlling carbon cycling in freshwater environments, including the burial of organic matter in sediments and the production of greenhouse gases through microbial respiration. Development of new isotopic methods for tracing carbon-cycle and hydrological change in the past and present. Investigating the dynamical relationships that link climate, biogeochemical cycles, ecosystems and humans using a combination of large datasets, simple theory, and numerical Earth system models to identify novel processes and quantitative relationships.

Economic Geology

Studies of the genesis of hydrothermal mineral deposits through a combination of field-based, experimental, and theoretical methods. Research focuses on the understanding of physico-chemical controls of mineralization, through geological mapping of deposits; experimental studies of metal solubility and speciation in hydrothermal systems; simulations of hydrothermal alteration; and theoretical studies designed to estimate conditions of alteration and ore formation. Trace-element chemistry of minerals as quantitative probes of the compositions of ore-forming fluids.

Exoplanet Climate

Using telescopes on the ground and in space to explore the surfaces and atmospheres of the diverse planets outside the Solar System: How much incident stellar flux do planets absorb? How do they move this energy through atmospheric and oceanic circulation? Which planets enjoy habitable surface conditions? Do any of them exhibit atmospheric biosignatures?

Geobiology

Understanding the role of microorganisms in biogeochemical cycles; cultivation of environmental microorganisms; applying molecular and isotopic tools to characterize microbial activity in present and past environments.

Geophysics and Climate

Applying physics to study the interactions between the solid Earth, ice, ocean, and climate systems; numerical modelling, analysis, and interpretation of paleo and modern sea-level changes, solid earth deformation and glacial isostatic adjustment, and ice in the Earth and climate systems.

Hydrogeology

Studies of pore-water flow in 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.

Igneous Petrology

Experimental studies of the structure, thermodynamics, and transport properties (diffusion and viscosity) of silicate melts and applications to igneous petrogenesis. The nature of the Earth's upper mantle and the processes within it which give rise to basaltic volcanism on both the Earth and the other terrestrial planets. Applications of laser ablation ICPMS; petrology, geochemistry, and tectonics of the Appalachian lithosphere.

Integrated Earth System Dynamics

Global data analysis and modelling; approaches that cut across traditional disciplinary boundaries; integration of human and natural systems; interactions between macroecology, biogeochemistry and climate change; Earth System Economics.

Isotopic Geochemistry and Sedimentary Geology

Sedimentology, stratigraphy, and isotope geochemistry as guides to reconstructing ancient environments. Reconstruction of Proterozoic paleogeographies and the origin and evolution of Proterozoic sedimentary basins. Documenting and interpreting paleoenvironmental change during the Proterozoic. Relationships between tectonics (i.e., supercontinental break-up and assembly), seawater chemistry and ocean redox, and climate change. Calibrating the diversification of early eukaryotes and their impact on global biogeochemical c

Chemistry and crystallography of carbonate and a variety of rock-forming and biogenic minerals; experimental investigations of the effect of environmental
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	Application Opening Dates		Application Deadlines	
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Feb. 1	Feb. 1	Feb. 1
Winter Term:	Feb. 15	Sept. 1	Sept. 1	Sept. 1
Summer Term:	N/A	N/A	N/A	N/A

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

15.12.5.4 Earth and Planetary Sciences Faculty

Chair

TBA

Emeritus Professors

Jafar Arkani-Hamed; Donald Francis; Reinhard Hesse; Andrew J. Hynes; Robert F. Martin; Alfonso Mucci.

Professors

Don Baker; Eric Galbraith; Galen Halverson; Olivia G. Jensen; Jeffrey McKenzie; John Stix; A.E. (Willy) Williams-Jones.

Associate Professors

Kim Berlo; Nicolas Cowan; Natalya Gomez; James Kirkpatrick; Yajing Liu; Jeanne Paquette; Christie Rowe; Vincent van Hinsberg.

Assistant Professors

Peter Douglas; Nagissa Mahmoudi.

Faculty Lecturer

W. Minarik.

Adjunct Professors

R. Harrington; R. Léveillé; H. Short; B. Sundby.

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

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 705
Montreal QC H3A 0B9
Canada
Telephone: 514-398-4111
Fax: 514-398-7437
Email: grad.geog@mcgill.ca
Website: mcgill.ca/geography

15.12.6.2 About Geography

The Department of Geography offers research and thesis-based graduate programs leading to a **Master of Arts (M.A.)**, a **Master of Science (M.Sc.)**, or a **Doctorate (Ph.D.)**. In its scope, our program includes the opportunity to conduct field-based studies in both the natural (i.e., biophysical) and the social sciences. Thematic areas of study include:

- Political, Urban, Economic, and Health Geography;
- Environment and Development;
- Geographic Information Systems and Remote Sensing;
- Land Surface Processes, Ecosystem Biogeochemistry, and Ecohydrology;
- Earth System Science and Global Change;
- Sustainability Science and Environmental Management.

Geography houses McGill's Hitschfield Geographic Information Centre, maintains the *McGill Arctic Research Station* (Axel Heiburg Island, Nunavut Territory) and the *McGill Sub-Arctic Research Station* (Schefferville, Quebec), 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 region 1 2 416.323 Tm25iTro 0 11ond

Master of Arts (M.A.) Programs in Geography

Detailed program requirements for the following M.A. programs are found in [Arts](#) >

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, En

15.12.6.5 Master of Science (M.Sc.) Geography (Thesis) (45 credits)

Thesis Courses (30 credits)

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

Required Course (3 credits)

GEOG 631	(3)	Methods of Geographical Research
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Complementary Courses (12 credits)

12 credits, four 3-credit courses at the 500 level or above selected according to guidelines of the Department. GEOG 696 can count among these complementary credits for students with an appropriate background.

15.12.6.6 Master of Science (M.Sc.) Geography (Thesis): Environment (45 credits)

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 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.

Thesis Courses (30 credits)

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

Required Courses (9 credits)

BIOL 640	(3)	Tropical Biology and Conservation
ENVR 610	(3)	Foundations of Environmental Policy
GEOG 631	(3)	Methods of Geographical Research

Complementary Course (3 credits)

3 credits, one Geography graduate course. GEOG 696 can count among these complementary credits for students with an appropriate background.

Elective Course (3 credits)

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

15.12.6.8 Doctor of Philosophy (Ph.D.) Geography

The doctoral degree in Geography includes the successful completion of the comprehensive examination, a thesis based on original research and coursework chosen in collaboration with the student's supervisor and/or research committee. The main elements of the Ph.D. are the thesis and comprehensive examination, a required Methods of Geographical Research course (3 credits), and a minimum of two complementary courses (6 credits). The Ph.D. in Geography also includes several options.

Thesis

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

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

Complementary Courses

Two courses at the 500, 600, or 700 level selected according to guidelines of the Department.

15.12.6.9 Doctor of Philosophy (Ph.D.) Geography: Environment

The Ph.D. in Geography 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 (6 credits)

ENVR 615	(3)	Interdisciplinary Approach Environment and Sustainability
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

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 of Geography course at the 500 level or higher selected according to the guidelines of the Department.

15.12.6.10 Doctor of Philosophy (Ph.D.) Geography: Gender and Women's Studies

The graduate option in Gender and Women's Studies is an interdisciplinary program for students who meet the degree requirements in Geography who wish to earn 9 credits of approved coursework focusing on gender and women's studies, and issues in feminist research and methods. The student's doctoral thesis must be on a topic centrally relating to issues of gender and/or women's studies.

Thesis

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

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

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A thesis for the doctoral degree must constitute original scholarship and must be a distinct contribution to kno

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.

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 under

Minimum 21 credits of approved graduate courses, with at least two courses at the 600-level or above.

15.12.8 Physics

15.12.8.1 Location

Department of Physics
Ernest Rutherford Physics Building
3600 University Street
Montreal QC H3A 2T8
Canada
Telephone: 514-398-6485 (Graduate Information)
Fax: 514-398-8434
Email: graduate.physics@mcgill.ca
Website: physics.mcgill.ca

15.12.8.2 About Physics

The Department of Physics currently has a faculty of approximately 40 members, including several holders of Canada Research Chairs and many other prestigious named Chairs. Additionally, we host an impressive number of postdoctoral fellows and research associates and run one of the largest and most vibrant graduate programs in North America. The graduate student enrolment is currently approximately 200.

Faculty members in the Department of Physics are recognized internationally for their excellence. Our members have received national and international prizes and fellowships including *Les Prix Du Québec*, Steacie Prize, Sloan Fellowships, NSERC, and many others. They are also in constant demand as reviewers and referees. Students who earn advanced degrees from the Department of Physics will not only get an excellent education, they will also receive valuable guidance and network contacts to help with subsequent career steps.

The Department offers full **M.Sc.** and **Ph.D.** degree programs in a wide range of disciplines, including:

- astrophysics;
- atmospheric physics;
- bio-physics;
- condensed-matter physics;
- high-energy physics;
- laser spectroscopy;
- material physics;
- non-linear dynamics and atmospheric physics;
- nuclear physics;
- statistical physics;
- medical-radiation physics.

Although most of the teaching and research facilities are located in the Ernest Rutherford Physics Building, the Department has space and research facilities in the Wong Materials Science Centre, adjacent to the Rutherford Building. Our groups also conduct research at the [McGill University Health Centre](#) (MUHC), the [Jewish General Hospital](#), the [Montr](#)

related to the physics and mathematics of superstring theory. The high-energy theorists have close connections to the nuclear theory group, the astrophysics group, the high-energy experimentalists, and to members of the Mathematics Department.

Experimental: The experimental high-energy physics group is engaged in a number of experiments at the research frontiers of the field, both in subatomic physics and in high-energy astrophysics. These include:

- Electron-positron collisions: a group works on the BaBar experiment at [SLAC](#) and the Belle-2 experiment at the [KEK](#) laboratory in Japan, with specific interest in CKM matrix elements and physics beyond the Standard Model through studies of rare decays, and on R&D for a future International Linear Collider, with interest in calorimeter development.
- Hadron-hadron collisions: A group is involved in major contributions to the energy frontier at [CERN's](#) LHC, with work on the High Level Trigger for the ATLAS experiment. Work also focuses on searches for new physics phenomena, precision physics of known Standard Model processes, development of the ATLAS experiment's trigger system, and direct contribution to the upgrade of the ATLAS detector.
- High-energy particle astrophysics: ground-based gamma-ray astronomy using the VERITAS telescope array and development of the next-generation detector.
- Underground physics: A group carries out experimental R&D with the aim of measuring, for the first time, the neutrinoless double-beta decay process with the EXO experiment.

Students at the M.Sc. and Ph.D. levels are offered a strong program of research in a challenging and rapidly advancing field. Short term master's projects are based mainly on instrumentation or data analysis conducted on campus, while Ph.D. research may involve an extended stay at one of the world's major research laboratories.

Nuclear Physics

Theoretical: Current research programs include transport equations for heavy ion collisions at intermediate energy; nuclear equation of state from heavy ion collisions; fragmentation at intermediate energy; electromagnetic probes in relativistic heavy ion collisions; effective Lagrangians for hadronic systems at finite temperature; and Quark-Gluon Plasma, QCD.

Experimental: Current research programs in experimental nuclear physics at McGill are focused on two main axes:

- The study of heavy-ion reactions at relativistic energies to determine the properties of nuclear matter at high temperatures and density. This program is being performed at the [Brookhaven National Laboratory](#), and at the Large Hadron Collider facility at [CERN](#).
- The study of ground state properties of unstable nuclei using laser spectroscopy techniques and ion traps. This work is being carried out using the Canadian Penning trap facility at the [Argonne National Laboratory](#), at the accelerator ISOLDE ([CERN](#)), and the ISAC facility at [TRIUMF](#).

Furthermore, the Nuclear Physics Group has an active in-house research program that applies the ion trap and laser techniques to the detection of trace quantities of material and contaminants, and to ion spectroscopy.

Condensed Matter Physics and Biophysics

Theoretical: Current research programs involve the nonequilibrium, ab-initio modelling of molecular and nanoelectronic systems and devices; the study of quantum effects in interacting mesoscopic electron systems; nonequilibrium phenomena in extended systems; and applications of statistical mechanics to problems in biophysics.

Experimental: Current research programs involve:

- the study of the time evolution of non-equilibrium systems via x-ray diffraction;
- fundamental quantum properties of strongly correlated systems at temperatures very near absolute zero;
- macromolecular interactions in living cells using single-photon and two-photon imaging;
- molecular electronics and nanoelectronic systems by scanning probe microscopy;
- dynamics and mechanical properties of soft matter systems and spatial organization and dynamics in living cells;
- mechanical behaviour of very small systems by high-resolution force microscopy;
- electronic properties that emerge at the limits of miniaturization and quantum computing;
- nuclear methods to study interactions in magnetic materials that lead to exotic magnetic ordering behaviour. This includes studies of novel materials such as carbon nanotubes, graphene, unconventional superconductors, quantum dots, heterostructures, amorphous systems, and spin glasses.

Astrophysics

Research in the astrophysics group covers a wide range of topics including cosmology, galaxy formation, high-energy astrophysics, and extrasolar planets. This involves observations at all wavelengths, from gamma rays and X-rays to sub-mm, infrared, and radio, using international observatories in space and on the ground. Experimental groups at McGill are involved in development and operation of ground-based high-energy gamma-ray observatories, and cosmic microwave background experiments. Theoretical work includes studies of how astrophysics and observational cosmology can experimentally determine the most important properties of dark matter and dark energy, studies of the diverse physics of neutron stars, and extrasolar planet formation.

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15.12.8.3 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 Physics and may be revised at any time. Applicants must verify all deadlines and documentation requirements well in advance on the appropriate McGill departmental website; please consult the list at mcgill.ca/gps/contact/graduate-program.

Application Opening Dates		Application Deadlines		
	All Applicants	Non-Canadian citizens (incl. Special, Visiting & Exchange)	Canadian citizens/Perm. residents of Canada (incl. Special, Visiting & Exchange)	Current McGill Students (any citizenship)
Fall Term:	Sept. 15	Dec. 15	Dec. 15	Dec. 15
Winter Term:	Feb. 15	Sept. 10	Sept. 10	Sept. 10
Summer Term:	N/A	N/A	N/A	N/A

Please note, the Ph.D. program with a research emphasis on medical physics only accepts students in Fall.

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

15.12.8.4 Physics Faculty

Chair

S. Jeon

Director of Graduate Studies

A. Cumming

Emeritus Professors

J. Barrette; S. Das Gupta; Km5m dEakacsy; R. Harris; C.S. Lam; D.G. Stairs; J.O. Ström-Olsen; M. Sutton; M.J. Zuckermann.

Professor (Post-Retirement)

F. Buchinger.

Professors

R. Brandenberger; J. Cline; F. Corriveau; K. Dasgupta; M. Dobbs; C. Gale; G. Gervais; M. Grant; P. Grütter; H. Guo; D. Hanna; S. Jeon; V. Kaspi; S. Lovejoy; A. Maloney; N. Provatas; K. Ragan; D.H. Ryan; B. Vachon; A. Warburton; P. Wiseman.

Associate Professors

T. Brunner; H. Cynthia Chiang; L. Childress; B. Coish; D. Cooke; N. Cowan; A. Cumming; P. Francois; D. Haggard; M. Hilke; T. Pereg-Barnea; W. Reisner; S. Robertson; R. Rutledge; J. Childress; J. Sievers; B. Siwick; T. Webb.

Assistant Professors

K. Agarwal; S. Caron-Huot; E. Lee; A. Liu; K. Schutz.

Associate Members

Biochemistry - K. Gehring.

Chemistry - P. Kambhampati; D. Ronis.

Electrical and Computer Engineering - T. Szkopek.

Kinesiology - D. Rassier.

Medical Physics - J. Kildea; J. Seuntjens.

Oncology - S. De

Curator (Rutherford Museum and McPherson Collection)

J. Barrette

15.12.8.5 Master of Science (M.Sc.) Physics (Thesis) (45 credits)**Thesis Courses (30 credits)**

PHYS 690	(24)	M.Sc. Thesis
PHYS 692	(6)	Thesis Project

Complementary Courses (15 credits)

12 credits at the 500, 600, or 700 level.

3 credits at the 600 or 700 level:

Students with an appropriate background may request Departmental permission to substitute up to 6 credits chosen from the following courses:

PHYS 691	(3)	Thesis Preparation
PHYS 693	(3)	M.Sc. Research

Students must also successfully complete all the other normal requirements of Graduate and Postdoctoral Studies.

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

Candidates must successfully complete two 3-credit graduate courses at the 600 level or above; one of these courses should be in the candidate's area of specialization. If the candidate completed two or more courses at the 600 level as part of the McGill Physics M.Sc. program, then one of these courses may be used as a substitute for one of the required courses. In all cases, candidates must also pass the Ph.D. preliminary examination (PHYS 700).

PHYS 700	(0)	Preliminary Ph.D. Examination
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15.12.9 Psychology**15.12.9.1 Location**

Department of Psychology
 2001 McGill College Avenue, 7th Floor
 Montreal QC H3A 1G1
 Canada
 Telephone: 514-398-6127/514-398-6100
 Fax: 514-398-4896
 Email: grad.psych@mcgill.ca
 Website: mcgill.ca/psychology

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 organize unscheduled time for self education. Continuous involvement in research planning and execution is considered a very important component of the student's activities. Students are normally expected to do both master's and doctoral study.

M.A. and M.Sc. degrees may be awarded in Experimental Psychology, but only as a step to the Ph.D.—students undergo formal evaluation beginning with the submission of their master's requirements (thesis or fast-track paper) to enter Ph.D. 2.

The Clinical program adheres to the scientist practitioner model and as such is designed to train students for careers in university teaching or clinical research, and for service careers (working with children or adults in hospital, clinical, or educational settings). Most of our clinical graduates combine service and research roles. While there are necessarily many more course requirements than in the Experimental program, the emphasis is again on research training. There is no master's program in Clinical Psychology; the Department offers direct entry to a doctoral de

section 15.12.9.8: Doctor of Philosophy (Ph.D.) Psychology: Language Acquisition

This unique interdisciplinary program focuses on the scientific exploration of language acquisition by different kinds of learners in diverse contexts. Students in the Language Acquisition program are introduced to theoretical and methodological issues on language acquisition from the perspectives of cognitive neuroscience, theoretical linguistics, psycholinguistics, education, communication sciences and disorders, and neuropsychology.

15.12.9.3 Psychology Admission Requirements and Application Procedures

15.12.9.3.1 Admission Requirements

Admission to the graduate program depends on an evaluation of students' research interests and their aptitude for original contributions to knowledge and, if applicable, for professional contributions in the applied field.

The usual requirement for admission is an Honours or majors degree (B.A. or B.Sc.) in Psychology. This usually includes an introductory course plus twelve courses in psychology (each equivalent to three term hours). Courses in experimental psychology, the theoretical development of modern ideas in psychology, and statistical methods as applied to psychological problems (equivalent to an introductory course) are essential. Applicants' knowledge of relevant biological, physical, and social sciences is considered. Students applying to the clinical program are advised to complete 42 specific undergraduate credits in psychology as specified by the *Order of Psychologists of Quebec (Ordre des psychologues du Québec)*.

Applicants who hold a bachelor's degree but who have not met these usual requirements should consult the Graduate Program Director to determine which (if any) courses must be completed before an application can be considered. Students with insufficient preparation for graduate work may register as Special Students (under

	Application Opening Dates		Application Deadlines	
Summer Term:	N/A	N/A	N/A	N/A

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

15.12.9.4 Psychology Faculty

Chair

B. Ditto

Graduate Program Director

B. Knauper

Clinical Program Director

M. Dirks

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; A.A.J. Marley, *in memoriam*; D.S. Moskowitz; Y. Oshima-Takane; R.O. Pihl; J.O. Ramsay; T.R. Schultz; B. Sherwin; Y. Takane; D. Taylor, *in memoriam*; 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. Koestner; J. Lydon; J. Mogil; K. Nader; D.J. Ostry; C. Palmer; M. Petrides; J. Ristic; M. Sullivan; D. Titone.

Associate Professors

J. Bartz; J. Britt; E. Hehman; L. Human; G. O'Driscoll; K. Onishi; S. Racine; S. Sheldon; A. Weinberg.

Assistant Professors

J. Axt; R. Bagot; C. Falk; J. Flake; O. Hardt; B. Johns; M. Miocevic; R. Otto; M. Roy; D. Vachon.

Lecturers

P. Carvajal; J. Kreitewolf.

Professionals

Ian F. Bradley; Judith LeGallais; James MacDougall; Jennifer Russell.

Associate Members

Anesthesia: T. Coderre

Douglas Mental Health University Institute Research Centr

6 credits (one course per term in Year 2 and Year 3) chosen from relevant 700-level courses in consultation with the supervisor and graduate program director.

0-12 credits from the following (students without a master's degree from McGill need to take all 12 credits):

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.

15.12.9.8 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 555	(0)	
LING 590	(0)	
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
SCSD 654	(3)	Advanced Research Seminar 3

0-2 from the following:

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

0-3 credits of statistics from the following list:

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

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.

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
 Website: 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 organisms, minerals, and cultural artifacts. Research and teaching are centred on collections-based study, object-oriented investigation, and fieldw

Emeritus Professor

Robert L. Carroll

Professors

David M. Green; Andrew Hendry; Anthony Ricciardi.

Associate Professors

Hans C.E. Larsson; Virginie Millien.

Assistant Professor

Rowan Barrett

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.